Ceiling Cassette Air Conditioner

SERVICE MANUAL

MODELS: LT-B2461CL/LT-B2461HL
LT-B2861CL/LT-B2861HL
LT-B2421CL/LT-B2421HL
LT-B2821CL/LT-B2821HL
LT-B3021CL/LT-B3021HL
LT-B3681CL/LT-B3681HL
LT-B3621CL/LT-B3621HL
LT-B3661CL/LT-B3661HL

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Functions

Indoor Unit

Operation ON/OFF by Remote controller

Sensing the Room Temperature

• Room temperature sensor. (Thermistor)

Room temperature control

• Maintains the room temperature in accordance with the Setting Temp.

Starting Current Control

• Indoor fan is delayed for 5 seconds at the starting.

Time Delay Safety Control

• Restarting is inhibited for approx. 3 minutes.

Indoor Fan Speed Control

• High, Med, Low

Soft Dry Operation Mode

• Intermittent operation of fan at low speed.

Airflow Direction Control

• The louver can be set at swing up and down automatically.

Auto Restart

• Although the air-conditioner is turned off by a power failure, it is restarted automatically previous operation mode after power supply.

Auto Operation

• The setting temperature and desired operation mode are automatically set by fuzzy rule.

Deice (Defrost) control (Heating)

• Both the indoor and outdoor fan stops during defrosting.
• Hot start after defrost ends.

Hot-start Control (Heating)

• The indoor fan stops until the evaporator piping temperature will be reached at 28°C.

Remote Controller

Operation ON/OFF

Operation Mode Selection

Cooling Operation Mode (❄)
Heating Operation Mode (☼)
Soft Dry Operation Mode (💧)
Auto Operation Mode (A)

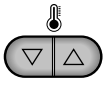
Fan Speed Selection

LO (Low) **MED** (Med) **HI** (High)

Room Temperature Display

: High:39°C ↔ LOW:11°C

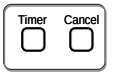
Temperature Setting



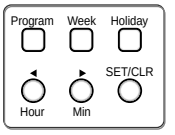
Cooling ┌ Down to 18°C
└ Up to 30°C

Heating ┌ Down to 16°C
└ Up to 30°C

Setting the Timer



Weekly Timer



Fan Operation Mode

: Fan Operates without cooling & heating

Product Specifications (Cooling & Heating)

1. 60Hz

Item		Unit	Model Name: LT-B2421CL	LT-B2421HL	LT-B2821CL	LT-B3021CL	LT-B2821HL	LT-B3021HL
Cooling Capacity		Btu/h(kcal/h)	24,000(6,048)	24,000(6,048)	28,000(7,056)	30,000(7,560)	28,000(7,056)	30,000(7,560)
Heating Capacity		Btu/h(kcal/h)	–	24,000(6,048)	–	–	28,000(7,056)	30,000(7,560)
Moisture Removal		*l*/h	3.5	3.5	4.0	4.3	4.0	4.3
Power Source		Ø, V, Hz	1Ø, 220V, 60Hz					
Air Circulation	Indoor	m^3/min	17	17	19	19	19	19
	Outdoor		50	50	52	52	52	52
Input	Cooling	W	2,700	2,700	2,850	2,850	2,850	2,850
	Heating		–	2,400	–	–	2,750	2,750
Running Current	Cooling	A	12.5	12.5	12.8	12.8	12.8	12.8
	Heating		–	10.5	–	–	12.3	12.3
E.E.R.		Btu/h-W	8.89	8.89	9.82	10.53	9.82	10.53
Dimensions (W×H×D)	Indoor	mm	800 x 800 x 298(910 x 910 x 30)					
	Outdoor		870 x 655 x 320				870 x 800 x 320	
Net Weight	Indoor	kg	35(30+5)					
	Outdoor		60	61	60	60	65	65
Refrigerant (R-22)		g	2,000	1,870	2,150	2,150	2,400	2,400
Airflow Direction Control (Up & Down)			O					
Remocon Type			Wired Remocon, Wireless Remocon(Optional)					
Service Valve & Connecting Tube		Liquid	3/8"(9.52)					
		Gas	5/8"(15.88)					
Drain Hose			O					
Connecting Wire			0.75mm^2 ↑					
Main Power Cable			2.5mm^2 ↑					
Time Delay Safety Function			O					
Air Circulation			O					
Soft Dry			O					
Fan Speed (Indoor)			3(Hi, Med, Low)					
Timer			24Hrs					
Self-Diagnosis			O					

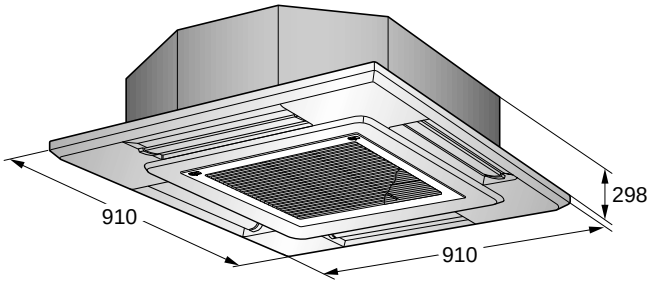
2. 50Hz

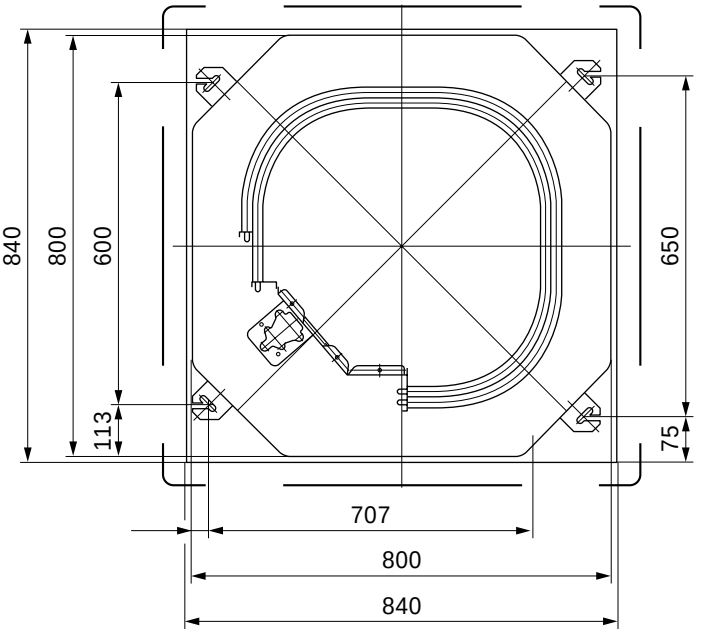
Item \ Model Name		Unit	LT-B2461CL	LT-B2461HL	LT-B2861CL	LT-B2861HL
Cooling Capacity		Btu/h(kcal/h)	24,000(6,048)	24,000(6,048)	28,000(7,056)	28,000(7,056)
Heating Capacity		Btu/h(kcal/h)	–	24,000(6,048)	–	28,000(7,056)
Moisture Removal		ℓ/h	3.5	3.5	4.0	4.0
Power Source		Ø, V, Hz	1Ø, 220V~240V, 50Hz			
Air Circulation	Indoor	m^3/min	17	17	19	19
	Outdoor		50	50	52	52
Input	Cooling	W	2,800	2,800	2,850	2,850
	Heating		–	2,500	–	2,650
Running Current	Cooling	A	13.5	14	13.4	13.4
	Heating		–	13	–	12.6
E.E.R.		Btu/h-W	8.57	8.57	9.82	9.82
Dimensions (W×H×D)	Indoor	mm	800 x 800 x 298(910 x 910 x 30)			
	Outdoor		870 x 655 x 320			870 x 800 x 320
Net Weight	Indoor	kg	35(30+5)			
	Outdoor		60	61	60	65
Refrigerant (R-22)		g	1,900	1,870	2,100	2,400
Airflow Direction Control (Up & Down)			O			
Remocon Type			Wired Remocon, Wireless Remocon(Optional)			
Service Valve & Connecting Tube		Liquid	3/8"(9.52)			
		Gas	5/8"(15.88)			
Drain Hose			O			
Connecting Wire			0.75mm^2 ↑			
Main Power Cable			2.5mm^2 ↑			
Time Delay Safety Function			O			
Air Circulation			O			
Soft Dry			O			
Fan Speed (Indoor)			3(Hi, Med, Low)			
Timer			24Hrs			
Self-Diagnosis			O			

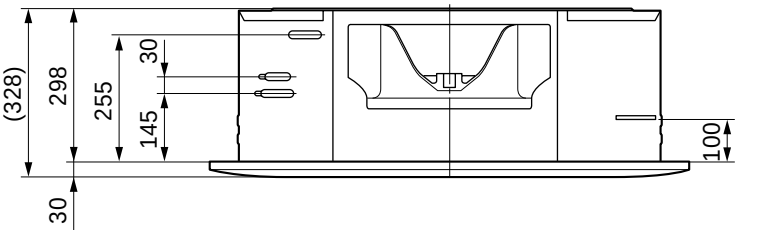
Item		Unit	Model Name: LT-B3681CL	LT-B3681HL	LT-B3661CL	LT-B3661HL	LT-B3621CL	LT-B3621HL
Cooling Capacity		Btu/h(kcal/h)	36,000(9,072)	36,000(9,072)	36,000(9,072)	36,000(9,072)	36,000(9,072)	36,000(9,072)
Heating Capacity		Btu/h(kcal/h)	–	36,000(9,072)	–	36,000(9,072)	–	36,000(9,072)
Moisture Removal		*l*/h	5.0	5.0	5.0	5.0	5.0	5.0
Power Source		Ø, V, Hz	3Ø, 380-415V, 50Hz		1Ø, 220-240V, 50Hz		1Ø, 220V, 60Hz	
Air Circulation	Indoor	m^3/min	22	22	22	22	22	22
	Outdoor		58	58	58	58	58	58
Input	Cooling	W	4,300	4,300	4,400	4,400	4,000	4,000
	Heating		–	4,100	–	4,100	–	3,800
Running Current	Cooling	A	7.5	7.5	22	22	18	18
	Heating		–	7.0	–	21	–	17
E.E.R.		Btu/h-W	–	–	–	–	–	–
Dimensions (W×H×D)	Indoor	mm	800 x 800 x 298(910 x 910 x 30)					
	Outdoor		790 x 965 x 320					
Net Weight	Indoor	kg	35(30+5)					
	Outdoor		80	81	80	81	80	81
Refrigerant (R-22)		g	3,150	3,150	3,150	3,150	3,150	3,000
Airflow Direction Control (Up & Down)			O					
Remocon Type			Wired Remocon, Wireless Remocon(Optional)					
Service Valve & Connecting Tube		Liquid	3/8"(9.52)					
		Gas	3/4"(19.05)					
Drain Hose			O					
Connecting Wire			0.75mm^2 ↑					
Main Power Cable			2.5mm^2 ↑		3.5mm^2 ↑			
Time Delay Safety Function			O					
Air Circulation			O					
Soft Dry			O					
Fan Speed (Indoor)			3(Hi, Med, Low)					
Timer			24Hrs					
Self-Diagnosis			O					

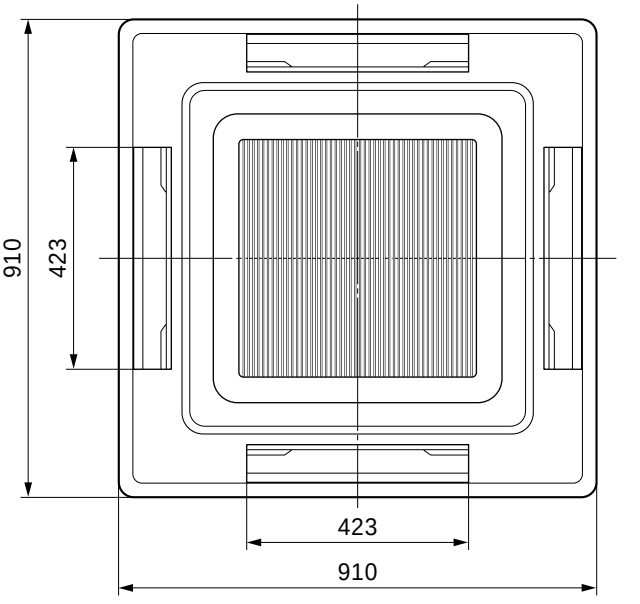
Dimensions

Indoor Unit

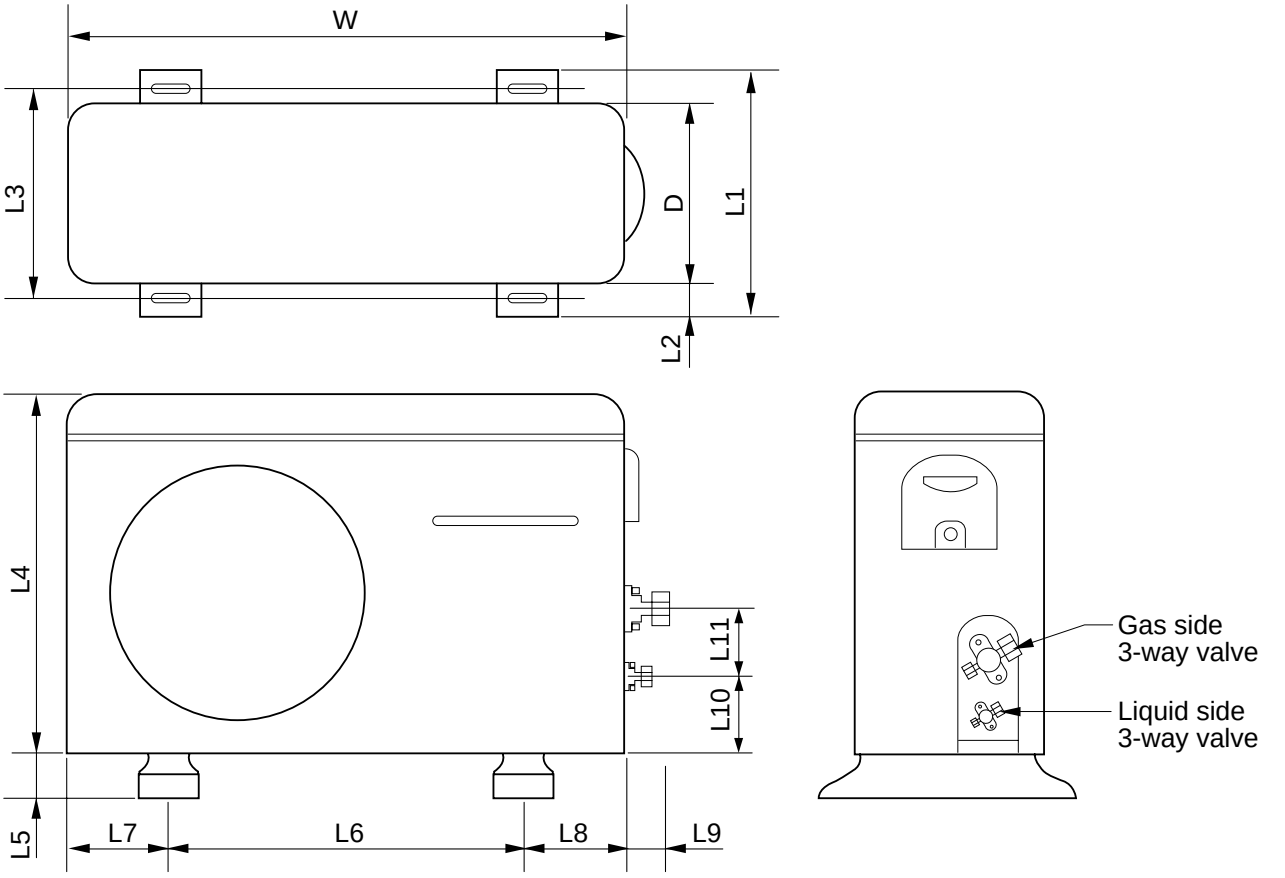






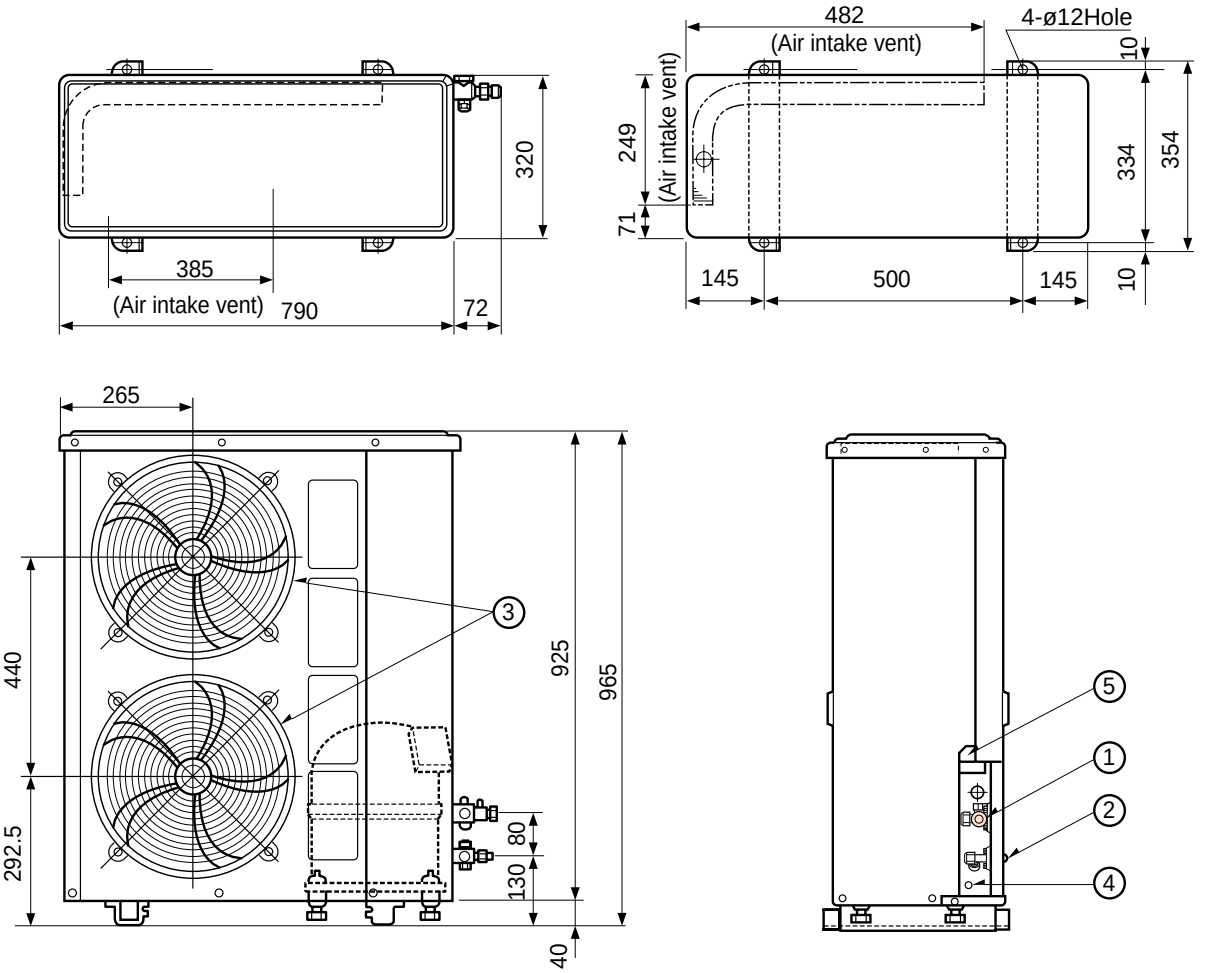


Outdoor Unit



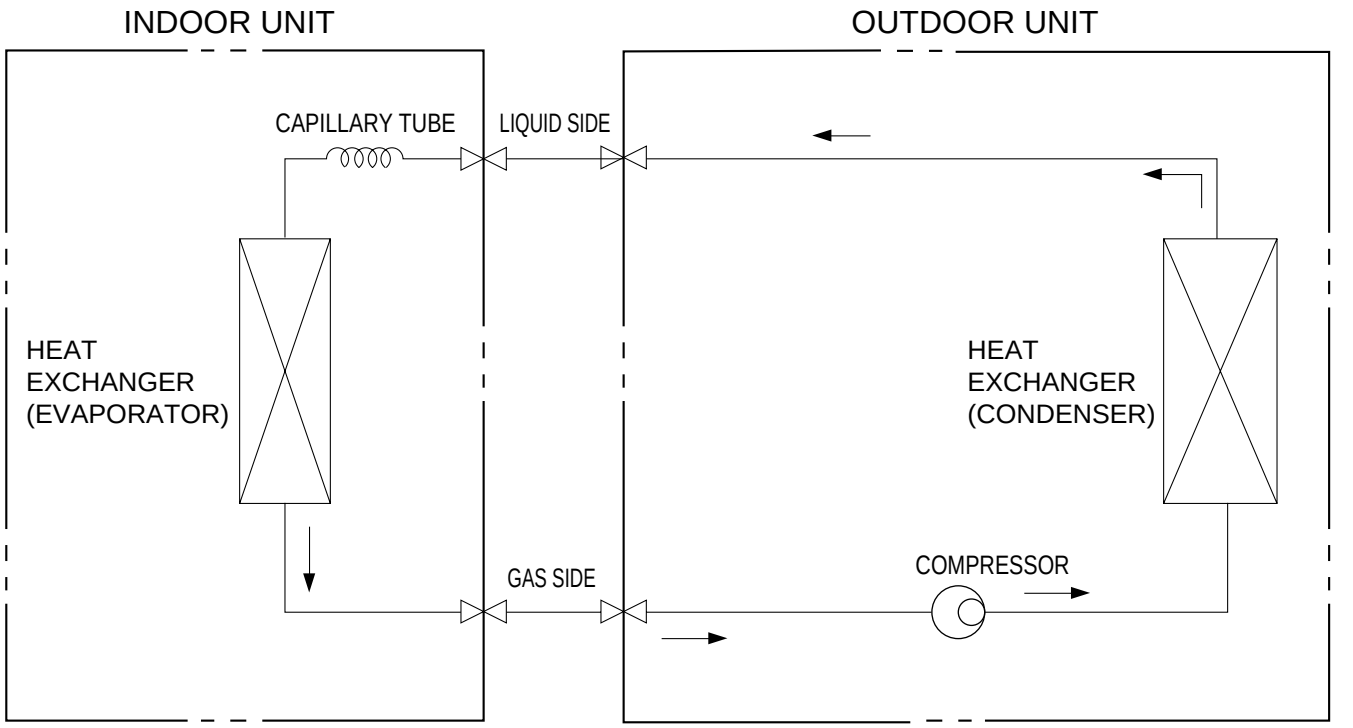
DIM \ MODEL		LT-B2421CL/HL, LT-B2461CL/HL LT-B2861CL, LT-B2821CL, LT-B3021CL	LT-B2861HL, LT-B2821HL, LTB3021HL
W	mm	870	870
H	mm	655	800
D	mm	320	320
L1	mm	370	370
L2	mm	25	25
L3	mm	340	340
L4	mm	630	775
L5	mm	25	25
L6	mm	546	546
L7	mm	162	162
L8	mm	162	162
L9	mm	54	54
L10	mm	74.5	74.5
L11	mm	79	79

Outdoor Unit(LT-B3621CL/HL, B3661CL/HL, B3681CL/HL)



Refrigeration Cycle Diagram

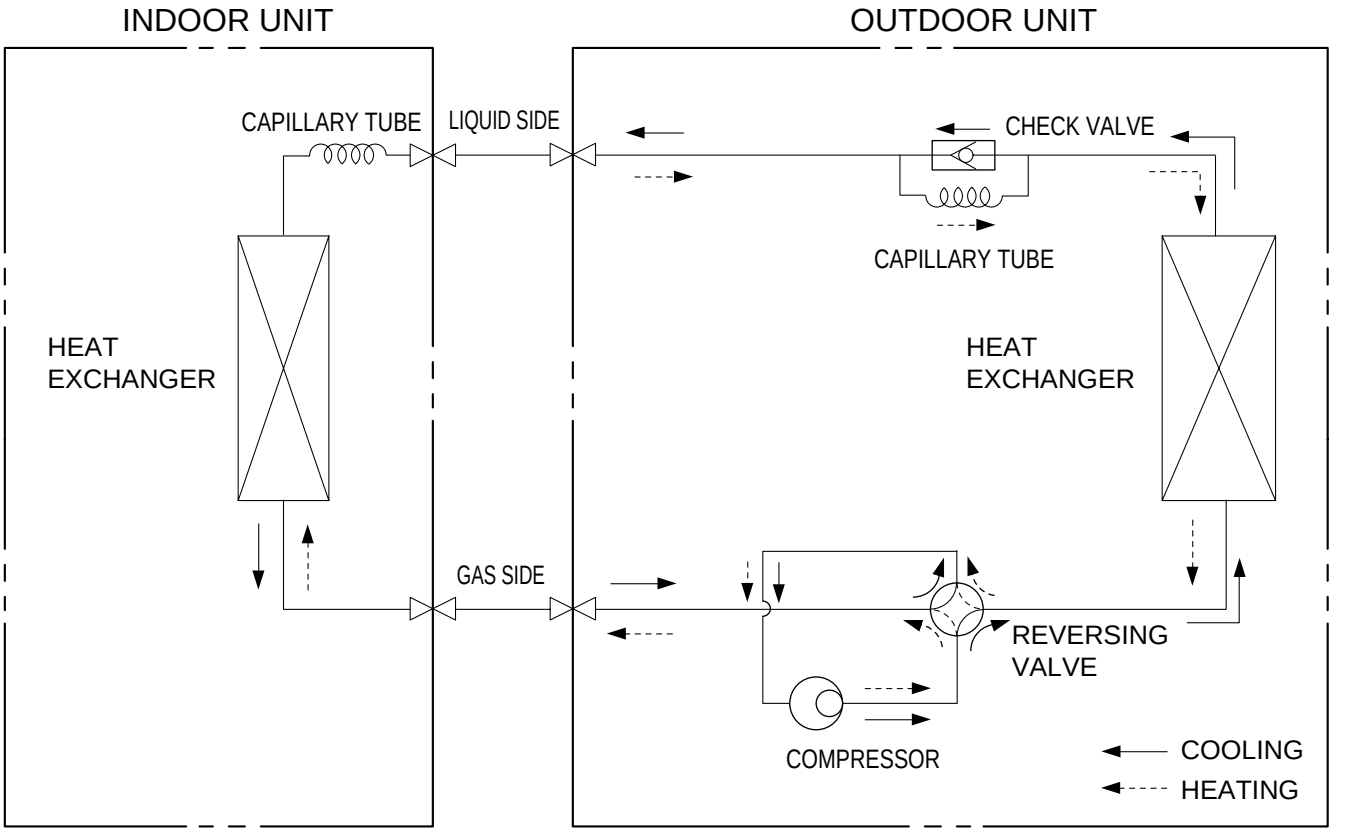
• COOLING ONLY



MODEL	Pipe Size		Length A(m)		Elevation B(m)		* Additional refrigerant (g/m)
	GAS	LIQUID	Rated	Max.	Rated	Max.	
24K, 28K, 30K BTU	5/8"	3/8"	5	20	5	15	50
36K BTU	3/4"	3/8"	5	25	5	20	70

• Rated performance for refrigerant line length of: 5m
• If 24K or 28K Model is installed at a distance of 15m, 500g of refrigerant should be added .....(15-5)x50g

• HEAT PUMP



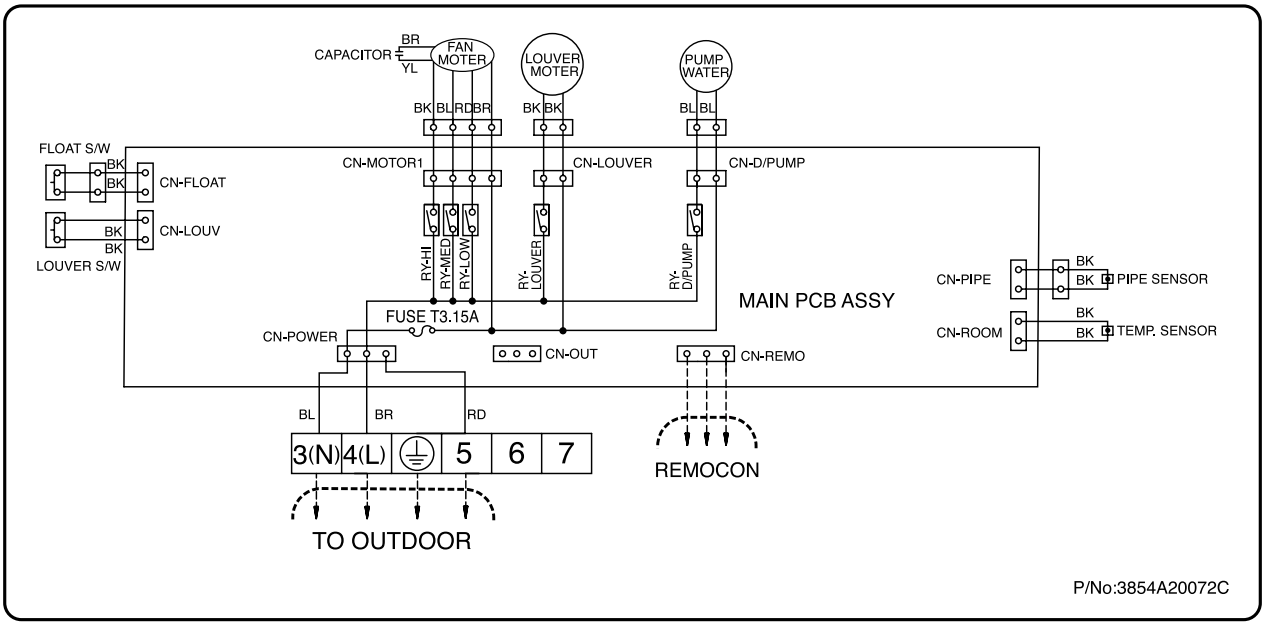
MODEL	Pipe Size		Length A(m)		Elevation B(m)		* Additional refrigerant (g/m)
	GAS	LIQUID	Rated	Max.	Rated	Max.	
24K, 28K, 30K BTU	5/8"	3/8"	5	20	5	15	50
36K BTU	3/4"	3/8"	5	25	5	20	70

- Rated performance for refrigerant line length of: 5m
- If 24K or 28K Model is installed at a distance of 15m, 500g of refrigerant should be added .....(15-5)x50g

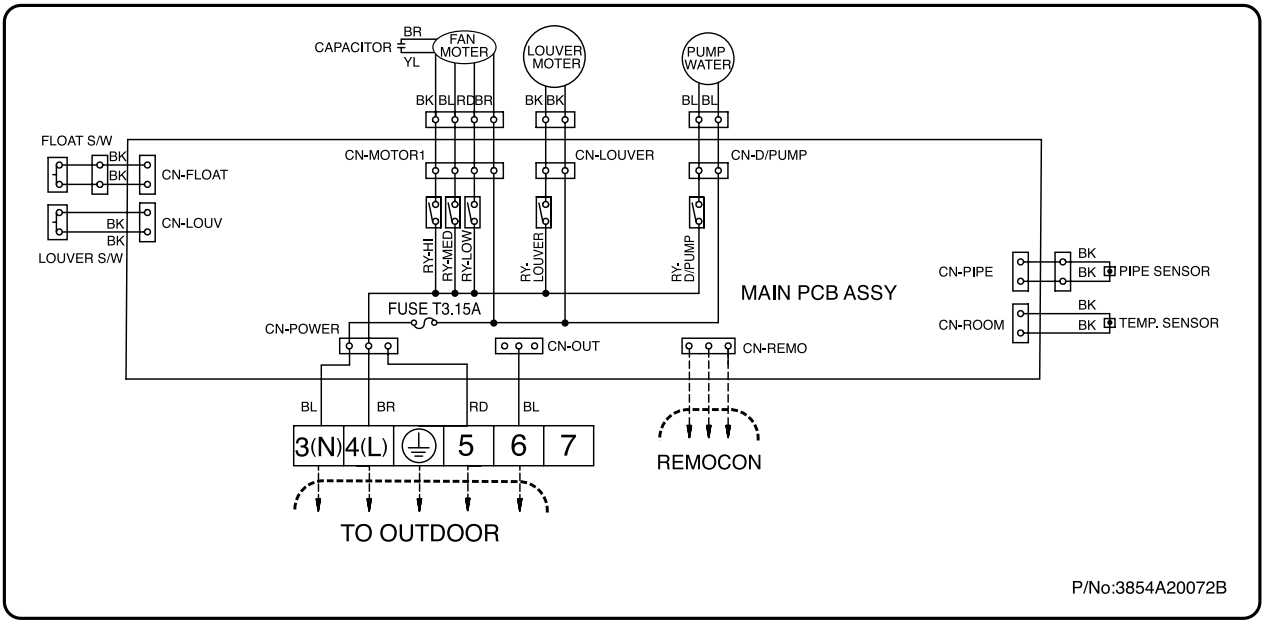
Wiring Diagram

(1) Indoor Unit

1. COOLING ONLY

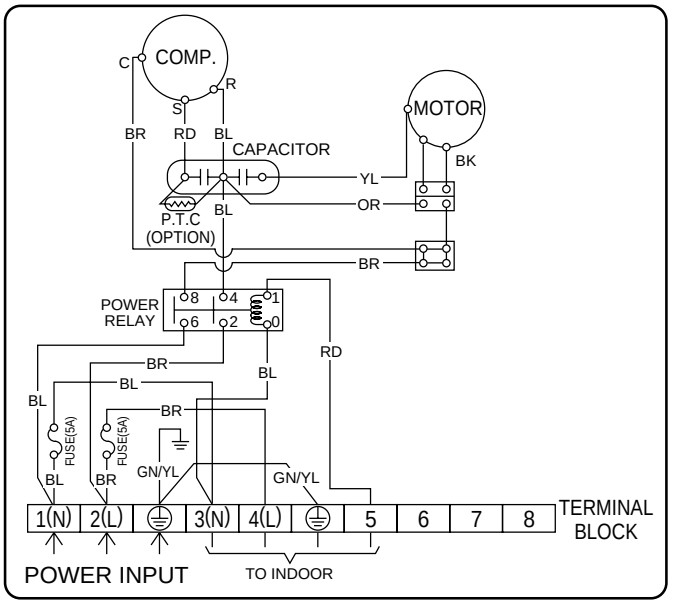


2. HEAT PUMP

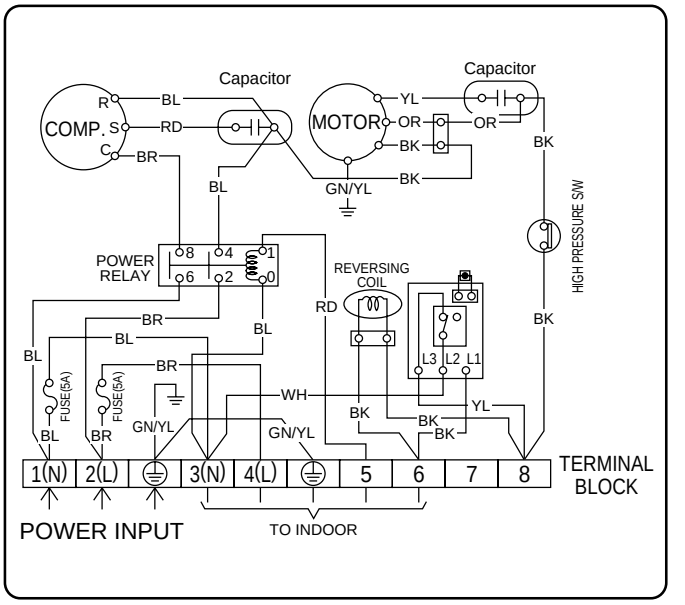


(2) Outdoor Unit

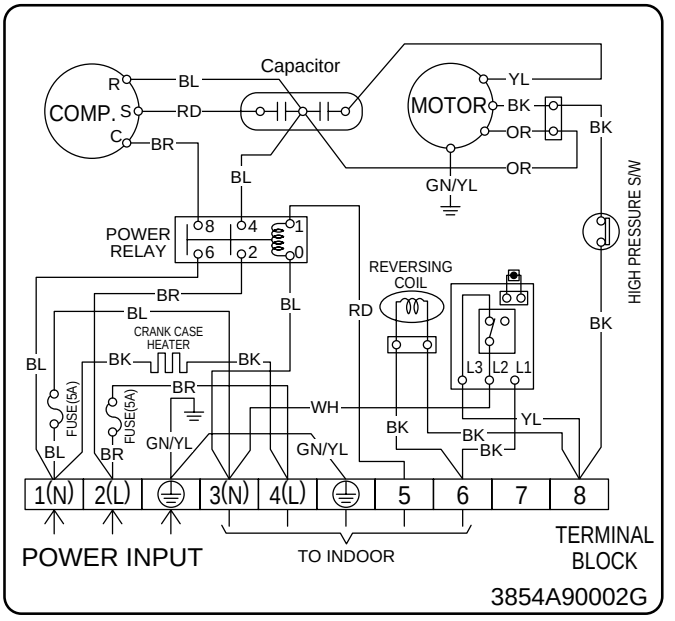
1. LT-B2461CL/B2861CL/B2421CL B2821CL/B3021CL



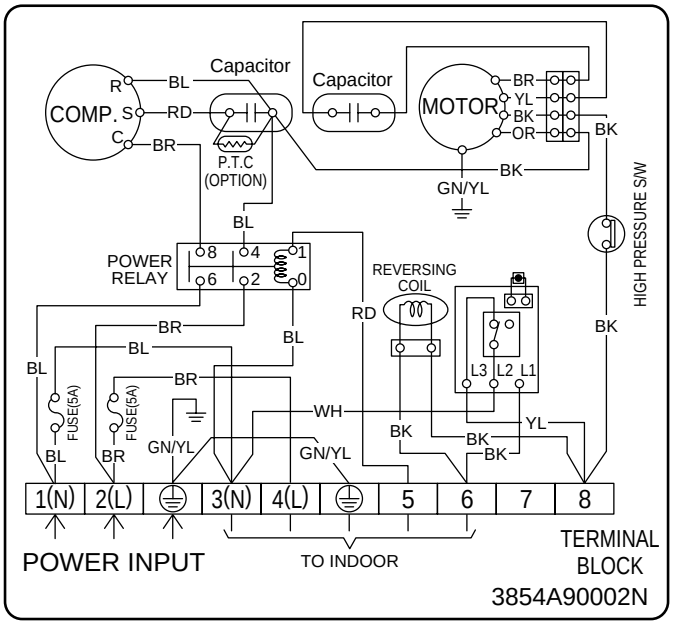
2. LT-B2461HL/B2421HL



3. LT-B2861HL

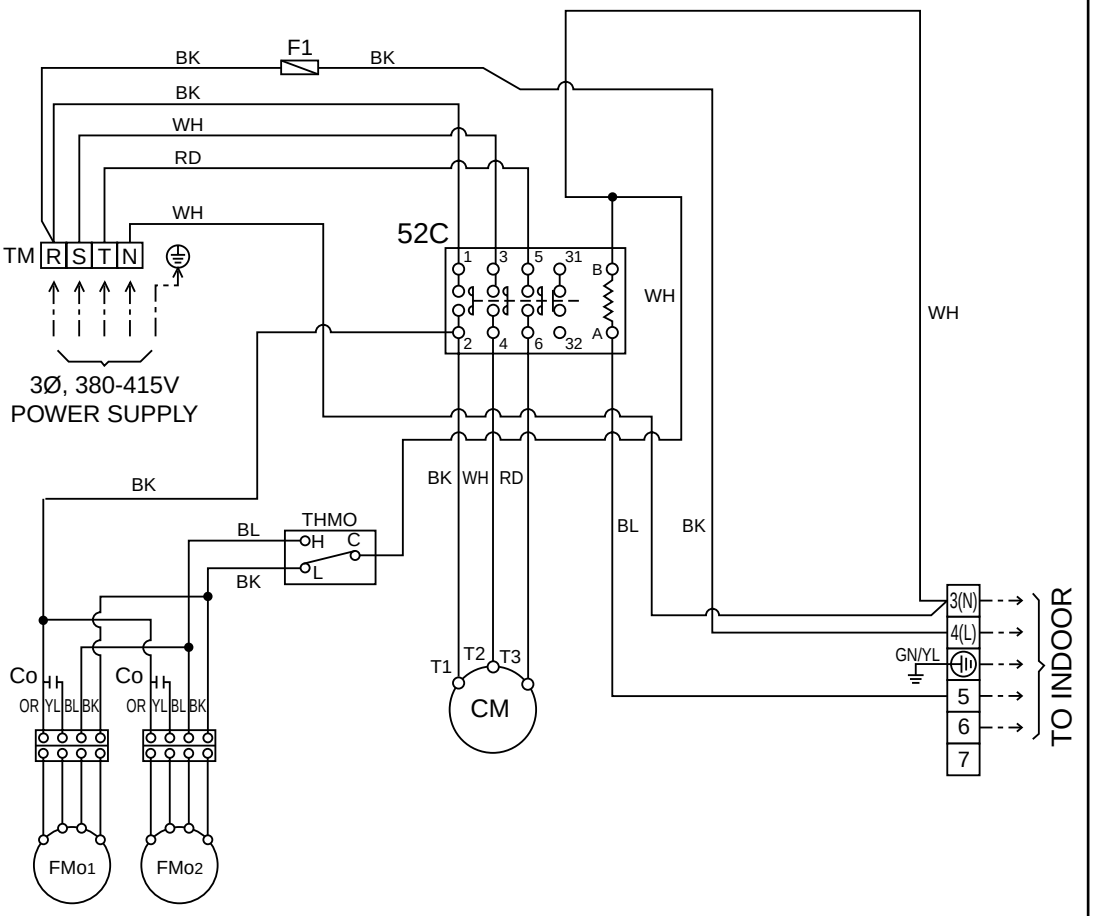


4. LT-B2821HL/B3021HL



5. LT-B3681CL

Outdoor Unit Wiring Diagram



NOTE

BL : BLUE
BK : BLACK
BR : BROWN
OR : ORANGE
RD : RED
WH : WHITE
YL : YELLOW
GN/YL : GREEN/YELLOW

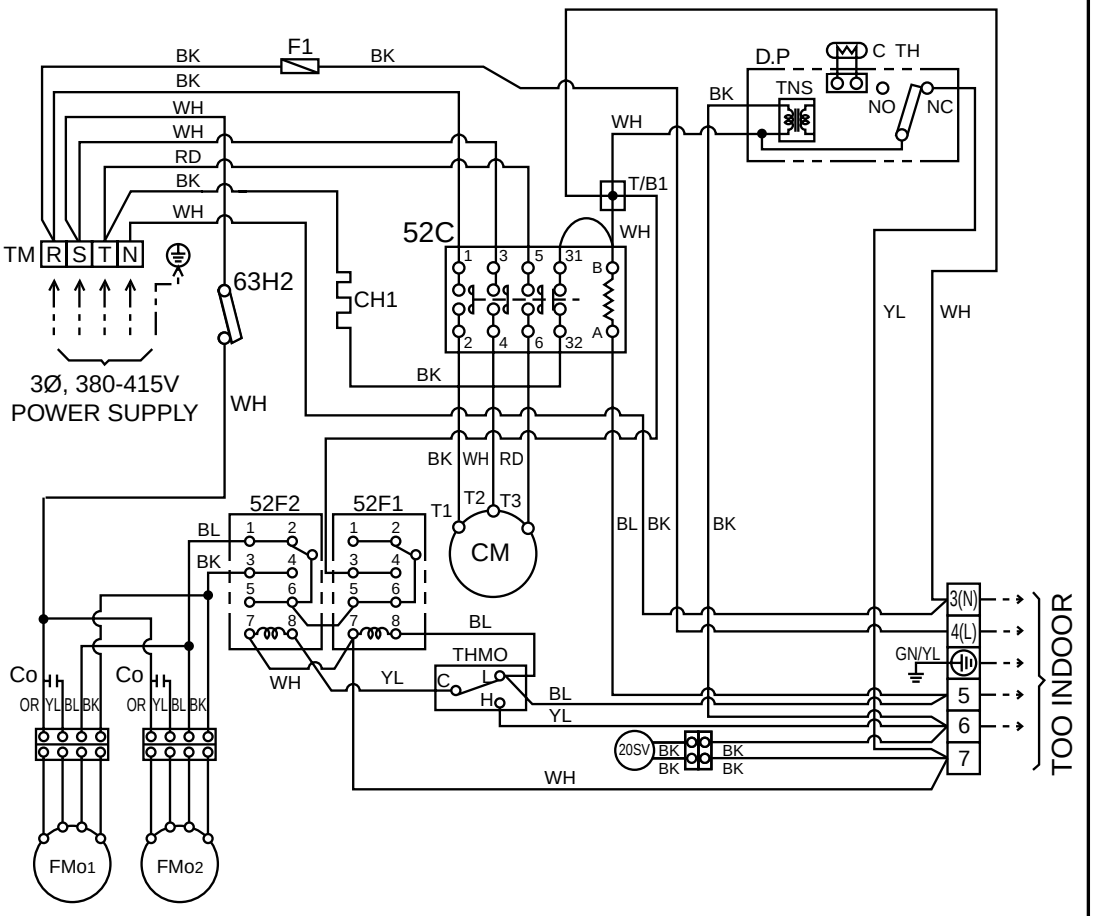
——— – ——— WIRING OF FIELD (CONNECTING WIRE)

63H2	HIGH PRESSURE SWITCH FOR HEATING	TM	MAIN TERMINAL BLOCK	F1	FUSE (250V, 5A)
TMo	TERMINAL BLOCK	CM	COMPRESSOR	FMo	OUTDOOR FAN MOTOR
Co	RUN CAPACITOR FOR FMo				

P/NO : 3854A30042P

6. LT-B3681HL

Outdoor Unit Wiring Diagram



NOTE

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BK : BLACK
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YL : YELLOW
GN/YL : GREEN/YELLOW

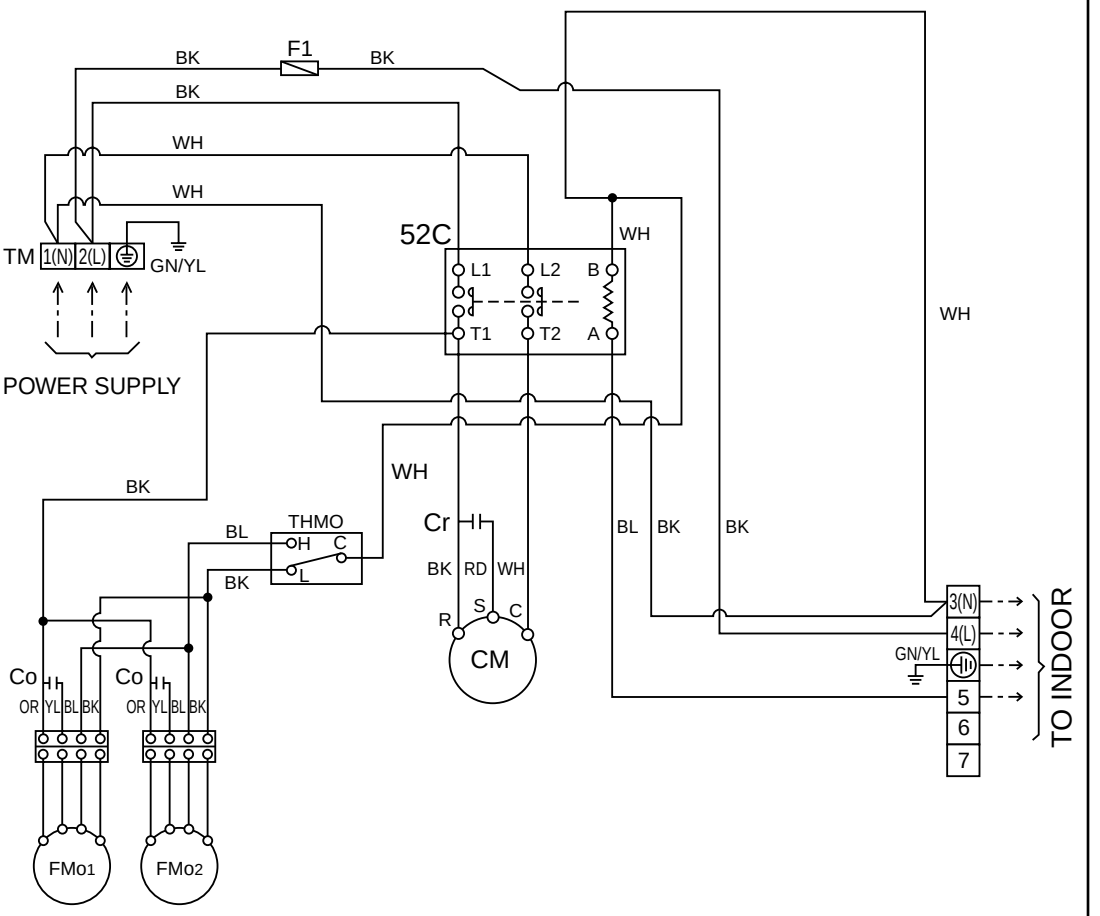
WIRING OF FIELD
(CONNECTING WIRE)

63H2	HIGH PRESSURE SWITCH FOR HEATING	TM	MAIN TERMINAL BLOCK	F1	FUSE (250V, 5A)
C TH	THERMISTOR FOR PIPE TEMP.	52F1	RELAY FOR FMo	DP	DEICER PCB
20SV	REVERSING COIL	CM	COMPRESSOR	CH1	CRANK CASE HEATER FOR CM
52C	MAGNECTIC CONTACTOR	Co	RUN CAPACITOR FOR FMo	THMO	THEMOSTAT FOR COOLING
TMo	TERMINAL BLOCK	FMo	OUTDOOR FAN MOTOR	52F2	RELAY FOR FMO CONTROL.

P/NO : 3854A30042H

7. LT-B3621CL/B3661CL

Outdoor Unit Wiring Diagram



NOTE

BL : BLUE
BK : BLACK
BR : BROWN
OR : ORANGE
RD : RED
WH : WHITE
YL : YELLOW
GN/YL : GREEN/YELLOW

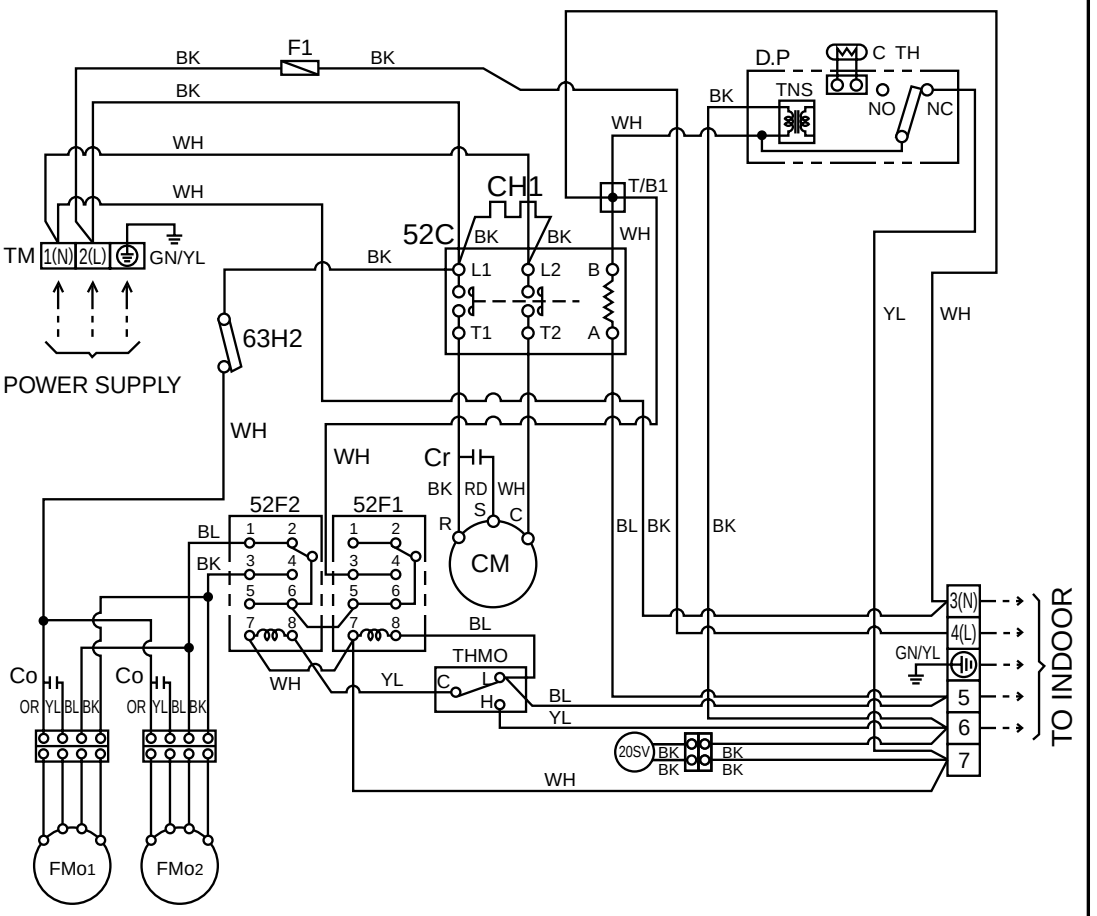
WIRING OF FIELD (CONNECTING WIRE)

52C	MAGNETIC CONTACTOR	TM	MAIN TERMINAL BLOCK	F1	FUSE (250V, 5A)
TMo	TERMINAL BLOCK	CM	COMPRESSOR	FMo	OUTDOOR FAN MOTOR
Co	RUN CAPACITOR FOR FMo	CR	RUN CAPACITOR FOR CM		

P/NO : 3854A30042N

8. LT-B3621HL/B3661HL

Outdoor Unit Wiring Diagram



NOTE

BL : BLUE	RD : RED
BK : BLACK	WH : WHITE
BR : BROWN	YL : YELLOW
OR : ORANGE	GN/YL : GREEN/YELLOW

WIRING OF FIELD (CONNECTING WIRE)

63H2	HIGH PRESSURE SWITCH FOR HEATING	TM	MAIN TERMINAL BLOCK	F1	FUSE (250V, 5A)
C TH	THERMISTOR FOR PIPE TEMP.	52F1	RELAY FOR FMo	DP	DEICER PCB
20SV	REVERSING COIL	CM	COMPRESSOR	CH1	CRANK CASE HEATER FOR CM
52C	MAGNECTIC CONTACTOR	Co	RUN CAPACITOR FOR FMo	THMO	THEMOSTAT FOR COOLING
Cr	RUN CAPACITOR FOR CM	FMo	OUTDOOR FAN MOTOR	52F2	RELAY FOR FMO CONTROL.

P/NO : 3854A30042L

Operation Details

(1) The function of main control

1. Time Delay Safety Control

- 3min... The compressor is ceased for 3minutes to balance the pressure in the refrigeration cycle. (Protection of compressor)
- 5sec... Vertical air flow direction control louvers open in 5 seconds to prevent noise between louvers and wind.
- 30sec... The 4-way valve is ceased for 30sec. to prevent the refrigerant-gas abnormal noise when the Heating operation is OFF or switched to the other operation mode while compress is off. While compressor is running, it takes 3~5 seconds to switch.

2. Auto Swing Control

- This function is to swing the louver up and down automatically.

3. Air-Filter Checking Control

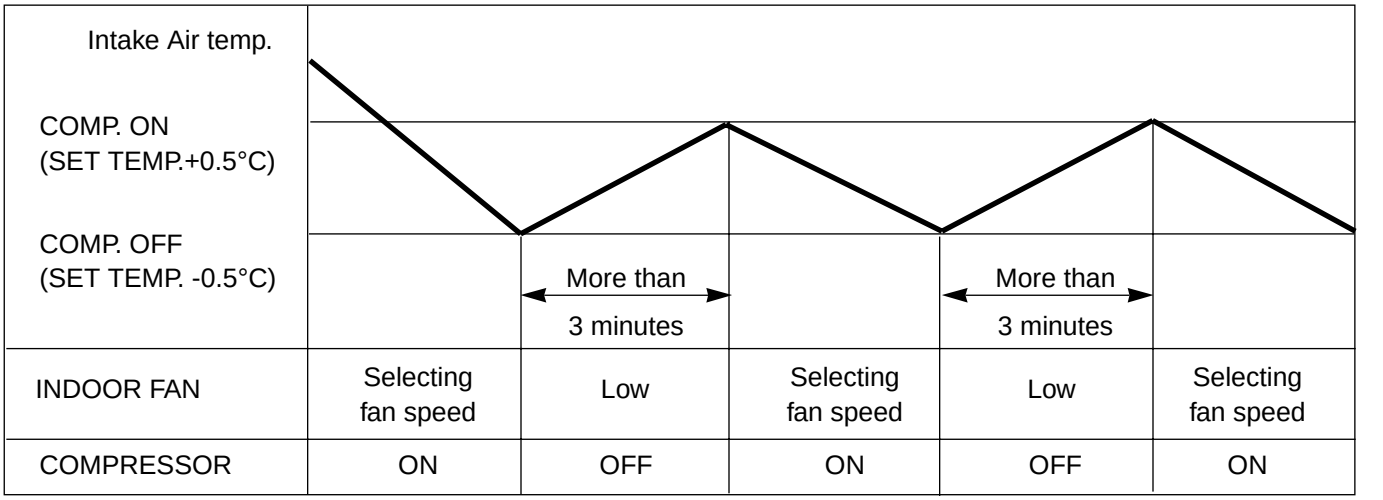
- 'Filter' will display in the remote controller display when an air-filter is polluted. Then clean the air-filter for reference to Owners Manual.

4. Soft-Dry Operation

- The indoor fan speed is automatically set to the low, so the shift of the indoor fan speed is impossible because of already being set to the best speed for Dry Operation by Micom Control.

5. Cooling Mode Operation

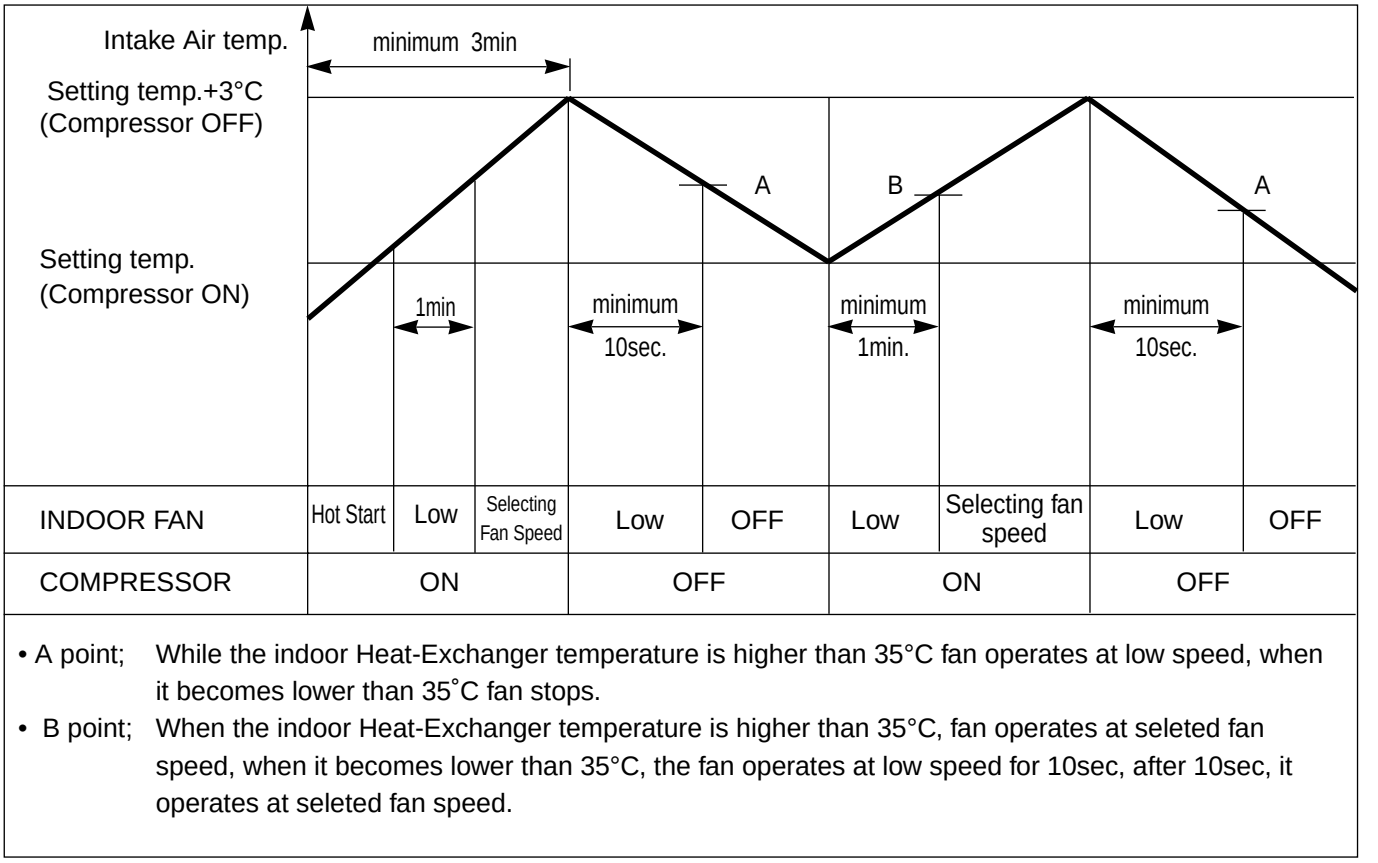
- When selecting the Cooling(❄) Mode Operation, the unit will operate according to the setting by the remote controller and the operation diagram is as following



INDOOR FAN	Selecting fan speed	Low	Selecting fan speed	Low	Selecting fan speed
COMPRESSOR	ON	OFF	ON	OFF	ON

6. Heating Mode Operation (Except Cooling Model)

The unit will operate according to the setting by the remote controller and the operation diagram is shown as following.

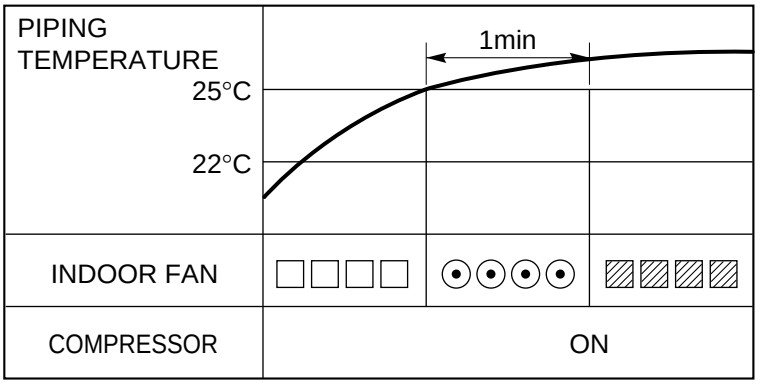


INDOOR FAN	Hot Start	Low	Selecting Fan Speed	Low	OFF	Low	Selecting fan speed	Low	OFF
COMPRESSOR	ON			OFF		ON		OFF	

- A point; While the indoor Heat-Exchanger temperature is higher than 35°C fan operates at low speed, when it becomes lower than 35˚C fan stops.
- B point; When the indoor Heat-Exchanger temperature is higher than 35°C, fan operates at seleted fan speed, when it becomes lower than 35°C, the fan operates at low speed for 10sec, after 10sec, it operates at seleted fan speed.

7. Hot-Start Control

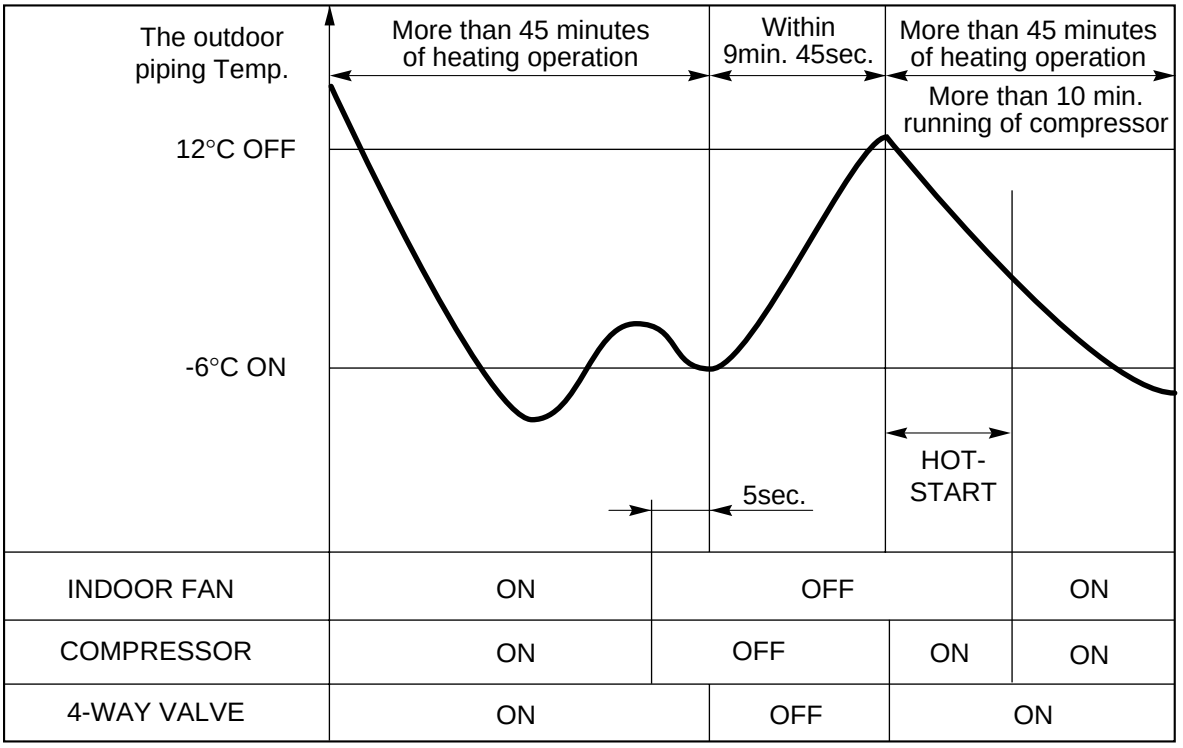
- The indoor fan stops until the evaporator piping temperature will be reached to 28°C.
- The operation diagram is as following.



▨ : Selected Fan ⊙ : Low Fan □ : Fan Stop

8. Defrost Control

- Defrost operation is controlled by timer and sensing the outdoor piping temperature.
- The defrost starts only when the outdoor pipe temperature falls below -6°C after 45 minutes passed from starting of heating operation.
- Defrost ends after 9 minutes 30 seconds passed from starting of defrost operation or when the outdoor pipe temperature rises over 12°C even if before 12 minutes.



9. Self-Diagnosis Function

- 'CH' will flash in the remote controller display when a problem occurs. Then please contact your dealer.
- Correct the accident point as shown in the table below before restarting operation.
- During the normal operation 'CH' won't be displayed in the remote controller.

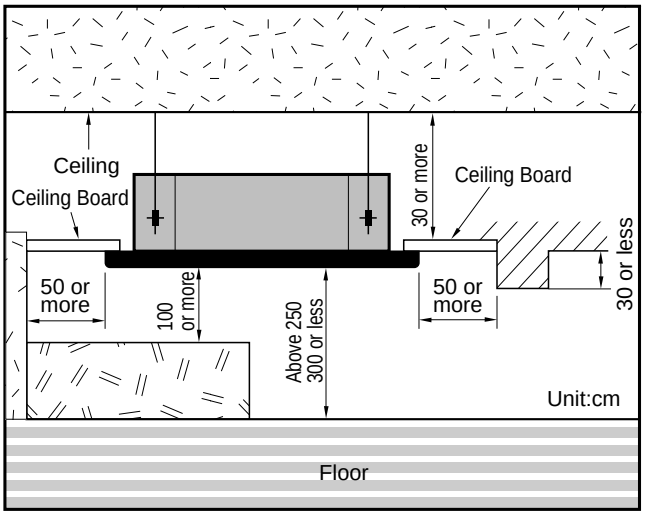
Remote controller LCD	Accident Point
CH 01	Indoor temperature thermistor error
CH 02	Indoor piping thermistor error
CH 03	Indoor/Outdoor unit communication error
CH 04	Water level float switch error

Installation of Indoor, Outdoor Unit

1. Selection of the best location

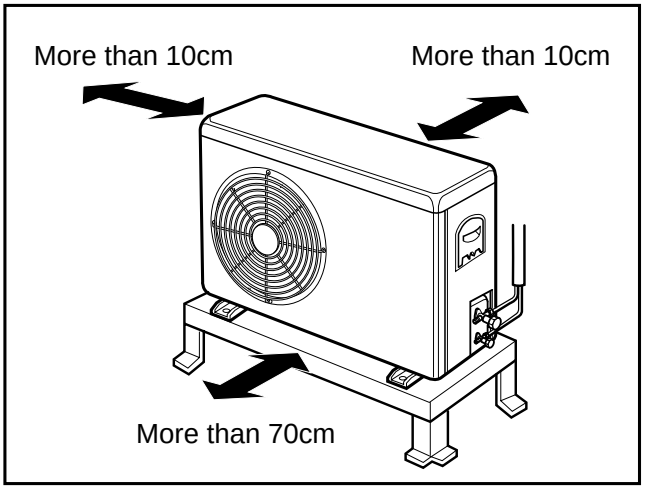
1) Indoor unit

- There should not be any heat source or steam near the unit.
- There should not be any obstacles to prevent the air circulation.
- A place where air circulation in the room will be good.
- A place where drainage can be easily obtained.
- A place where noise prevention is taken into consideration.
- Do not install the unit near the door way.
- Ensure the spaces indicated by arrows from the wall, ceiling, or other obstacles.
- The indoor unit must keep the maintenance space.



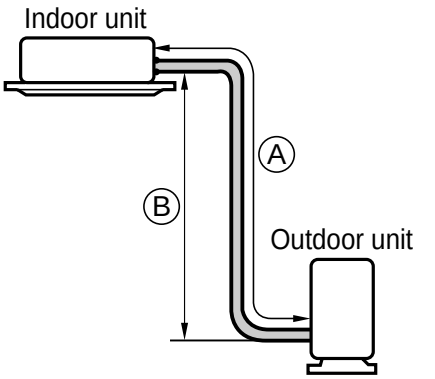
2) Outdoor unit

- If an awning is built over the unit to prevent direct sunlight or rain exposure, be careful that heat radiation from the condenser is not restricted.
- There should not be any animals or plants which could be affected by hot air discharged.
- Ensure the spaces indicated by arrows from the wall, ceiling, fence or other obstacles.



3) Piping length and the elevation

MODEL	Pipe Size		Length A(m)		Elevation B(m)		* Additional refrigerant (g/m)
	GAS	LIQUID	Rated	Max.	Rated	Max.	
24K, 28K, 30K BTU	5/8"	3/8"	5	20	5	15	50
36K BTU	3/4"	3/8"	5	25	5	20	70

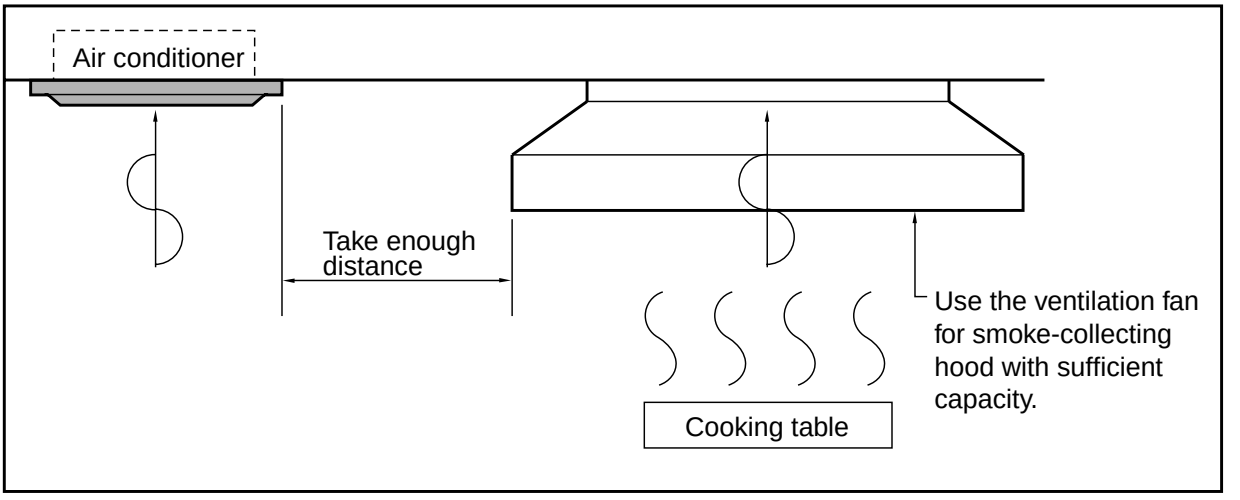


- Rated performance for refrigerant line length of: 5m
- If 24K or 28K Model is installed at a distance of 15m, 500g of refrigerant should be added .....(15-5)x50g

NOTE:

• Thoroughly study the following installation locations:

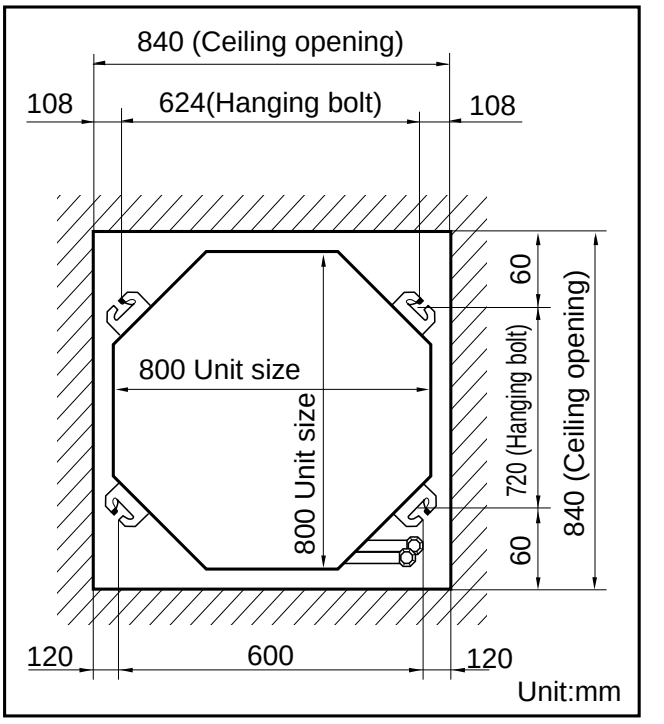
1. In such places as restaurants and kitchens, considerable amount of oil steam and flour adhere to the turbo fan, the fin of the heat exchanger and the drain pump, resulting in heat exchange reduction, spraying, dispersing of water drops, drain pump malfunction, etc.
In these cases, take the following actions:
• Make sure that the ventilation fan for smoke-collecting hood on a cooking table has sufficient capacity so that it draws oily steam which should not flow into the suction of the air conditioner.
• Make enough distance from a cooking room to install the air conditioner in such a place where it may not suck in oily steam.


Air conditioner
Take enough distance
Use the ventilation fan for smoke-collecting hood with sufficient capacity.
Cooking table

2. Avoid installing air conditioner in such circumstances where cutting oil mist or iron powder is in suspension in factories, etc.
3. Avoid places where inflammable gas is generated, flows in, is stored or vented.
4. Avoid places where sulfurous acid gas or corrosive gas is generated.
5. Avoid places near high frequency generators.

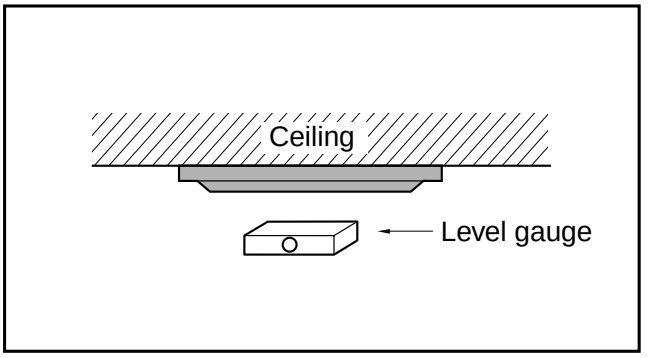
2. Ceiling opening dimensions and hanging bolt location

• The dimensions of the paper model for installing are the same as those of the ceiling opening dimensions.

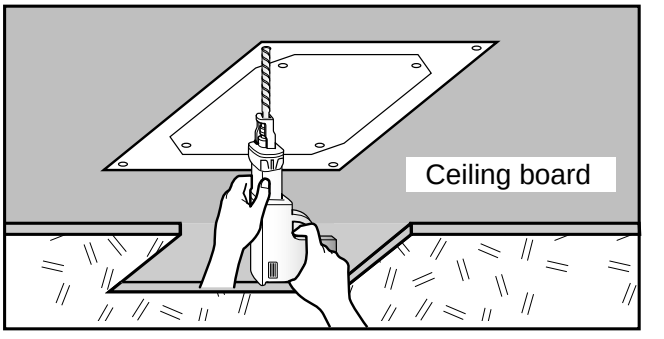


⚠ CAUTION

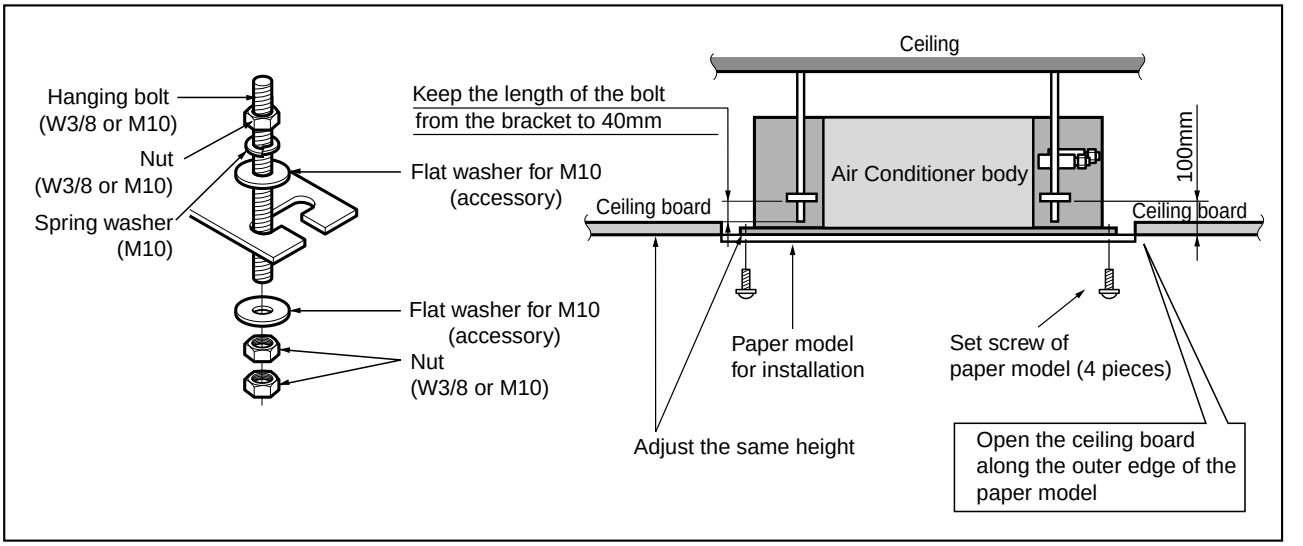
- This air-conditioner uses a drain pump.
- Horizontly install the unit using a level gauge.
- During the installation, care must be taken not to damage electric wires.



- Select and mark the position for fixing bolts and piping hole.
- Decide the position for fixing bolts slightly tilted to the drain direction after considering the direction of drain hose.
- Drill the hole for anchor bolt on the wall.



3. The Indoor Unit Installation

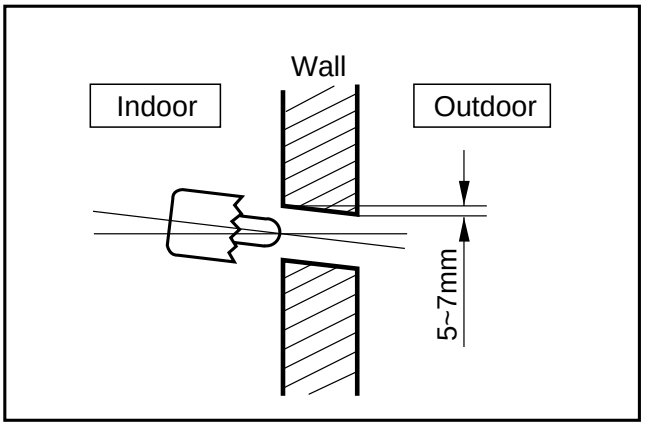


• The following parts is optional.
  ① Hanging Bolt - W 3/8 or M10, length 650 mm
  ② Nut - W 3/8 or M10
  ③ Spring Washer - M10
  ④ Plate Washer - M10

⚠ CAUTION

• Tighten the nut and bolt to prevent unit falling.

• Drill the piping hole on the wall slightly tilted to the outdoor side using a Ø 70 hole-core drill.



4. Remote Controller Installation

• Although the room temperature sensor is in the indoor unit, the remote control box should be installed in such places away from direct sunlight and high humidity.

Installation of the remote control box

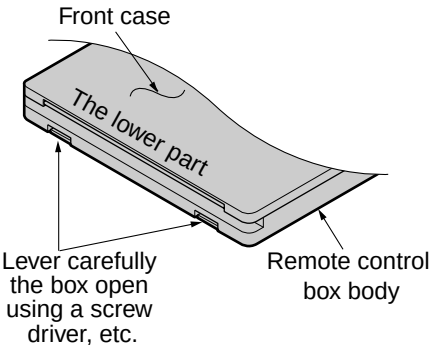
• Select places that are not splashed with water.
• Select control position after receiving customer approval.
• The room temperature sensor of the thermostat for temperature control is built in the indoor unit.
• This remote controller equipped with liquid crystal display. If this position is higher or lower, display is difficult to see.(The standard height is 1.2 ~ 1.5m high)

Routing of the remote control cord

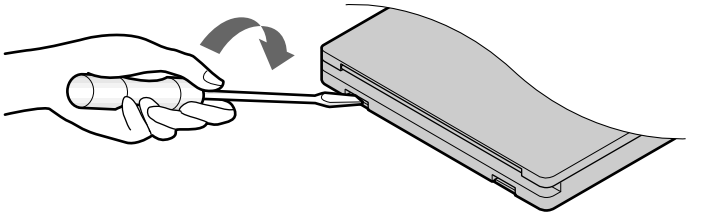
• Keep the remote control cord away from the refrigerant piping and the drain piping.
• To protect the remote control cord from electrical noise, place the cord at least 5cm away from other power cables (audio equipment, television set, etc.)
• If the remote control cord is secured to a wall, provide a trap at the top of the cord to prevent water droplets from running.

WIRED REMOTE CONTROL INSTALLATION

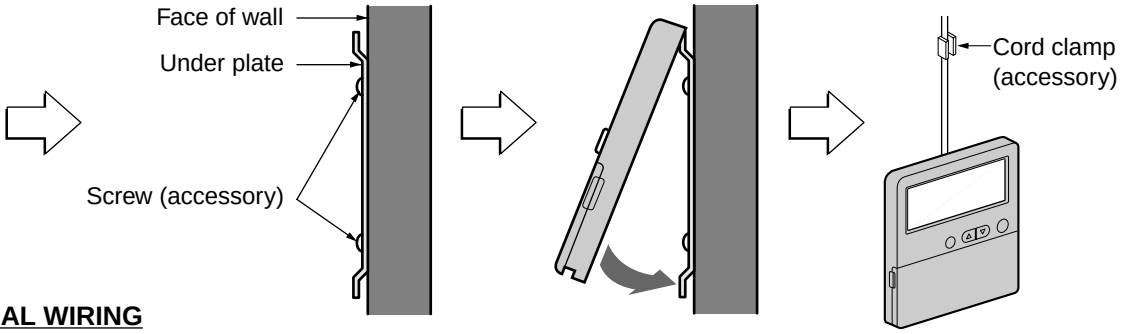
DISASSEMBLING



• Separate the under plate from Remote control box.

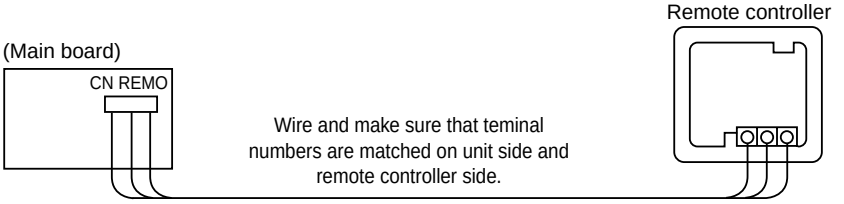


• Fix the under plate on the wall



• Fix the cord clamps on the wall by ø 3 tapping screws (accessory).
• Fix the remote control cord.

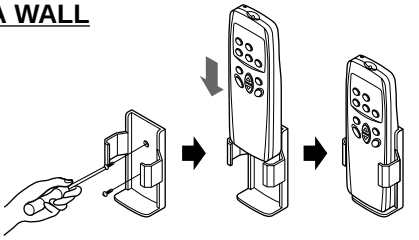
ELECTRICAL WIRING


Remote controller
(Main board)
CN REMO
Wire and make sure that teminal numbers are matched on unit side and remote controller side.

The maximum length of the cord is 100m.
If the length of the cord exceeds 50m, use a wire size greater than 0.5mm^2.

REMOTE CONTROL PREPARATION(OPTION)

HOW TO MOUNT ONTO A WALL



HOW TO INSERT BATTERIES

1 Remove the battery cover from the remote controller.
• Slide the cover according to the arrow direction.

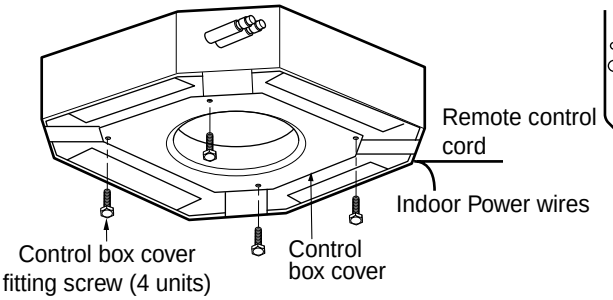
2 Insert the two batteries.
• Be sure that the (+) and (-) directions are correct.
• Be sure that both batteries are new.

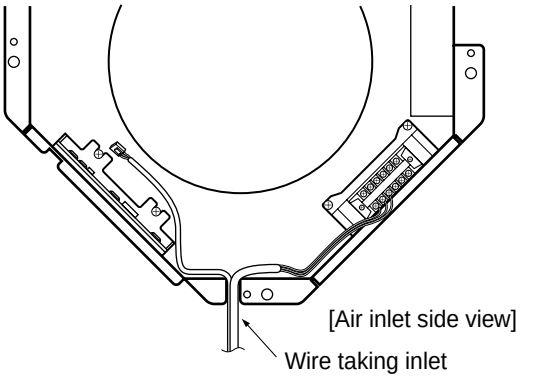
3 Re-attach the cover.
• Slide it back into position.

• Do not use rechargeable batteries, such batteries differ from standard dry cells in shape, dimensions, and performance.
• Romove the batteries from the remote controller if the air conditioner is not going to be used for some long time.

5. Wiring Connection

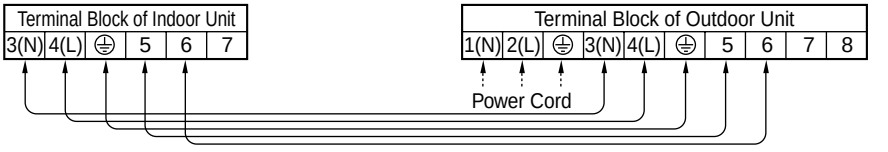
• Open the control box cover and connect the Remote control cord and Indoor power wires.



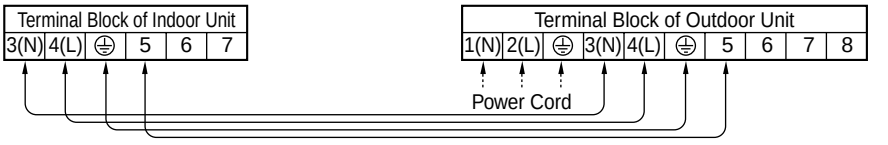


■ 1 Phase

• Heat Pump Model

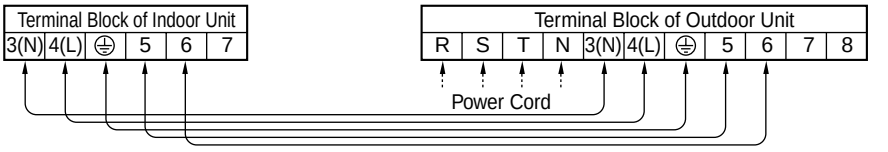


• Cooling Model

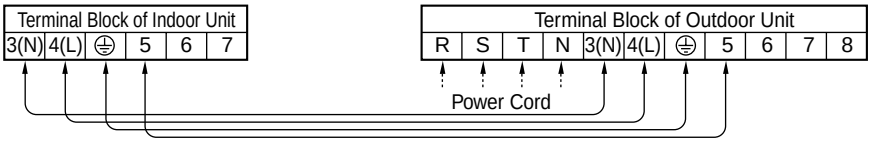


■ 3 Phase

• Heat Pump Model

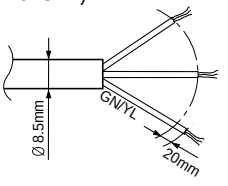


• Cooling Model



CAUTION

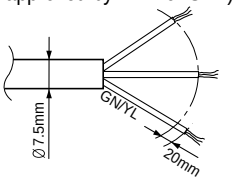
The power cord connected to the outdoor unit should be complied with the following specifications (Rubber insulation, type H05RN-F approved by HAR or SAA).



NORMAL CROSS-SECTIONAL AREA

Capacity	1 Phase	3 Phase
24,28,30K BTU/h	2.5mm²	–
36K BTU/h	5.5mm²	2.5mm²

The connecting cable connected to the indoor and outdoor unit should be complied with the following specifications (Rubber insulation, type H05RN-F approved by HAR or SAA).



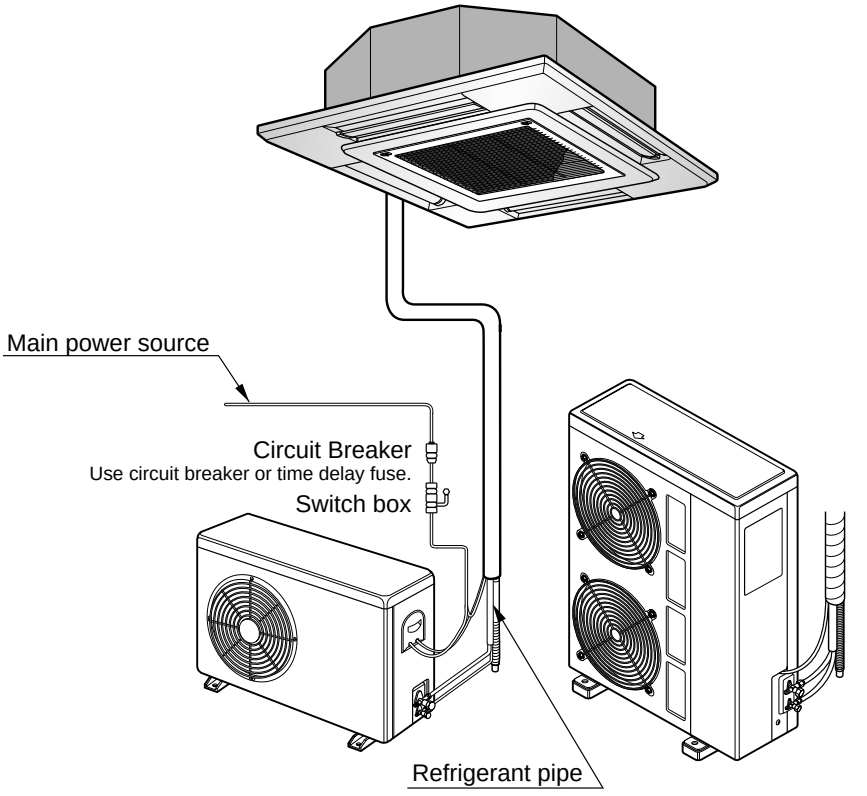
NORMAL CROSS-SECTIONAL AREA 0.75mm²

⚠ WARNING

Make sure that the screws of the terminal are free from looseness.

ELECTRICAL WIRING

1. All wiring must comply with LOCAL REGULATIONS.
2. Select a power source that is capable of supplying the current required by the air conditioner.
3. Feed the power source to the unit via a distribution switch board designed for this purpose.
4. The terminal screws inside the control box may be loose due to vibration during transport.
   Check the screws for loose connection.
   (Running the air conditioner with loose connection can overload and damage electrical components.)
5. Always ground the air conditioner with a grounding wire and connector to meet the LOCAL REGULATION.

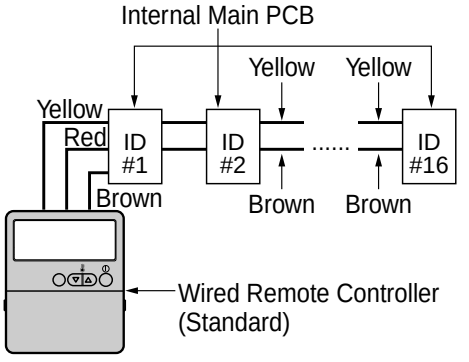


(24K, 28K, 30K Btu) **(36K Btu)**

GROUP CONTROL(OPTIONAL)

It operates maximum 16 Units by only one Wired Remote Controller, and each Unit starts sequentially to prevent over current.

Design



Features

- Use Only One Wired Remote Controller with several air conditioners (max. 16 Units).
- Sequential starting to prevent overcurrent.
- You can use a group control after connecting the brown and yellow wire of each air-conditioner.
- You must remove the resistor "OP 7" in remote control.

6. Connecting Pipes to the Indoor Unit

• Preparation of Piping

Main cause of gas leakage is defect in flaring work. Carry out correct flaring work in the following procedure.

1) Cut the pipes and the cable.

- Use the accessory piping kit or the pipes purchased locally.
- Measure the distance between the indoor and the outdoor unit.
- Cut the pipes a little longer than measured distance.
- Cut the cable 1.5m longer than the pipe length.

2) Burrs removal

- Completely remove all burrs from the cut cross section of pipe/tube.
- Put the end of the copper tube/pipe to downward direction as you remove burrs in order to avoid to let burrs drop in the tubing.

3) Putting nut on

- Remove flare nuts attached to indoor and outdoor units, than put them on pipe/tube having completed burr removal.
  (Not possible to put them on after flaring work)

4) Flaring work

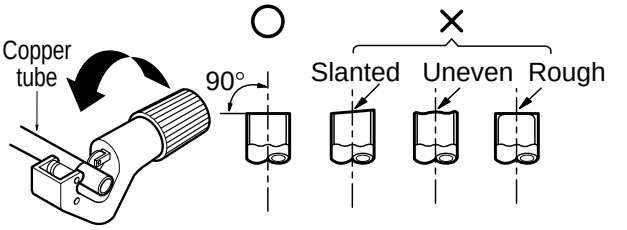
- Carry out flaring work using flaring tool as shown below.

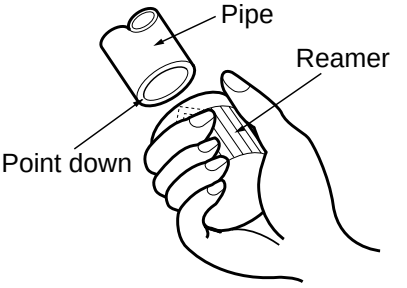
Outside diameter		A
mm	inch	mm
Ø9.52	3/8	0.5~0.8
Ø15.88	5/8	0.8~1.0
Ø19.05	3/4	1.0~1.3

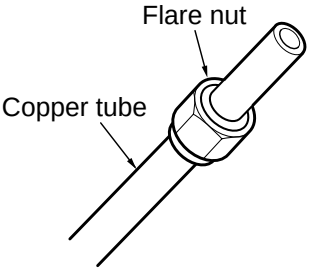
Firmly hold copper tube in a bar(or die) as indicated dimension in the table above.

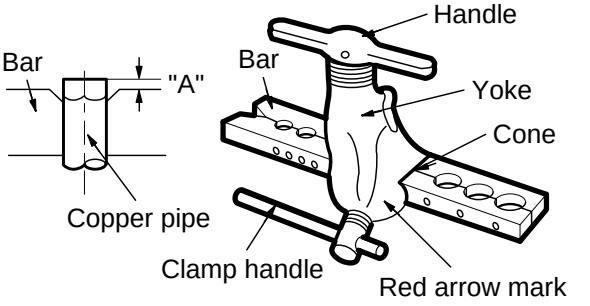
5) Check

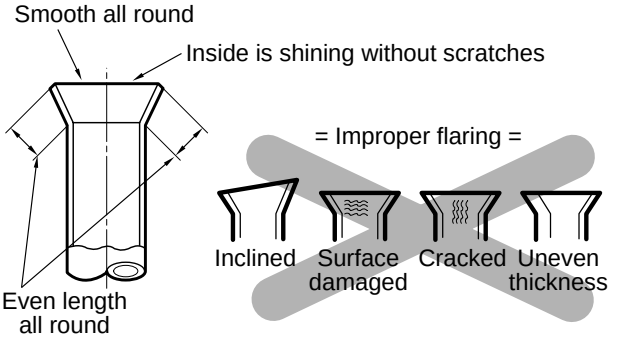
- Compare the flared work with figure below.
- If flare is noted to be defective, cut off the flared section and do flaring work again.





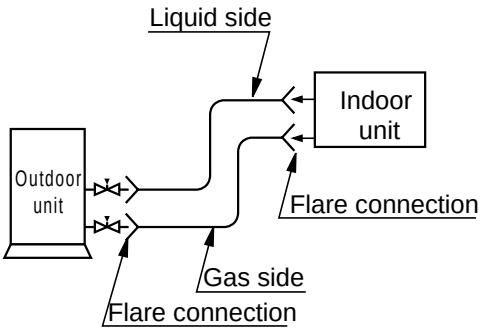






Piping Connection

1. Form the piping according to its routing. Avoid bending and bending back the same piping point more than three times. (This will result in hardening the pipe.)
2. After deforming the piping, align centers of the union fitting of the indoor unit and the piping, and tighten them firmly with wrenches.
3. Connect pipe to the service valve or ball valve which is located below the outdoor unit.
4. After completing the piping connection, be sure to check if there is gas leakage in indoor and outdoor connection.



Vacuum drying

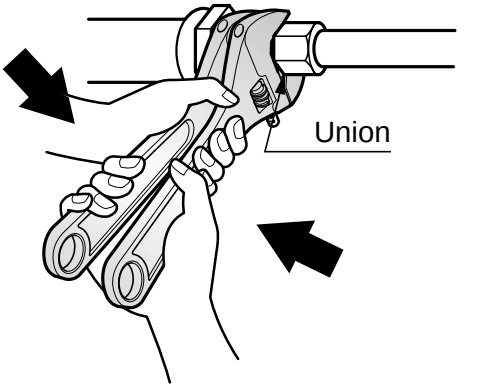
After completing the piping connection, execute vacuum drying for the connecting piping and the indoor unit.
The vacuum drying must be carried out using the service ports of both the liquid and gas side valves.

Model	Liquid side piping	Gas side piping
24K, 28K, 30K BTU	Ø 9.52mm	Ø15.88mm
36K BTU	Ø 9.52mm	Ø19.05mm

⚠ CAUTION

Use two wrenches and tighten with regular torque.

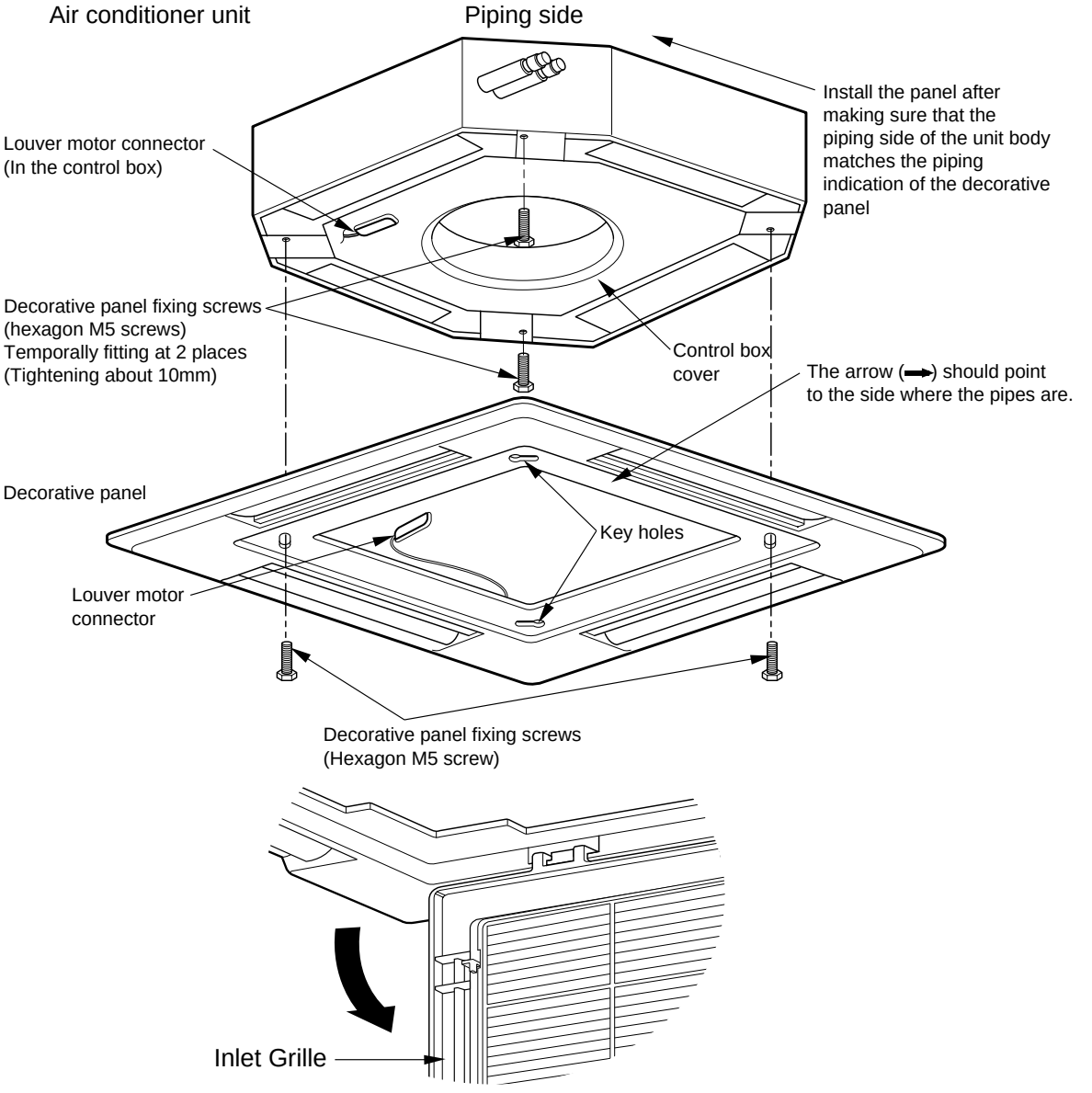
Flare nut fastening torque	
Ø6.35mm	1.8kg·mm
Ø9.52mm	4.0kg·mm
Ø12.7mm	5.5kg·mm
Ø15.88mm	6.6kg·mm
Ø19.05mm	6.6kg·mm



7. Installation of Decorative Panel

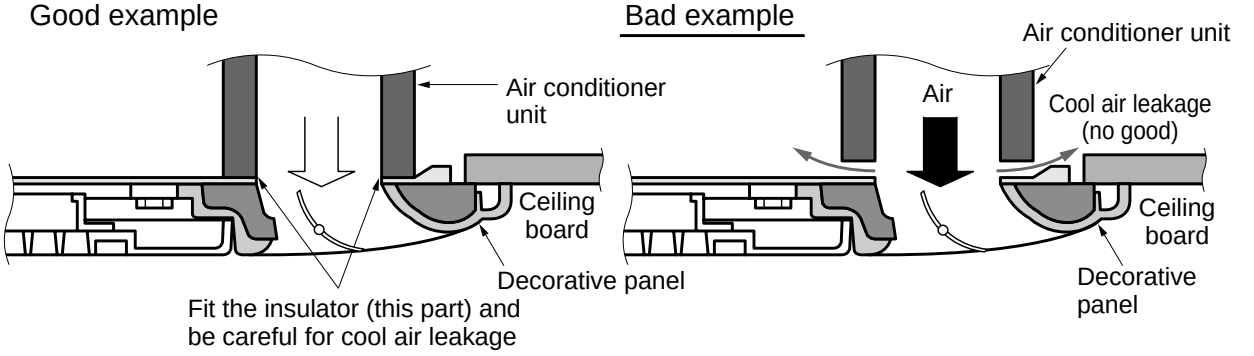
The decorative panel has its installation direction.	**Before installing the decorative panel, always remove the paper template.**

1. Temporarily fix two decorative panel fixing screws (hexagon M5 screw) on the unit body. (Tighten by amount 10mm in length.)
   The fixing screws (hexagon M5 screw) are included the decorative panel box.
2. Remove the air inlet grille from the decorative panel. (Remove the hook for the air inlet grille cord.)
3. Hook the decorative panel key hole (⊂⊃) on the screws fixed in step above, and slide the panel so that the screws reach the key hole edge.
4. Retighten completely two temporarily fixed screws and other two screws. (Total 4 screws)
5. Connect the louver motor connector.
6. After tightening these screws, install the air inlet grille (including the air filter).


Air conditioner unit
Piping side
Install the panel after making sure that the piping side of the unit body matches the piping indication of the decorative panel
Louver motor connector (In the control box)
Decorative panel fixing screws (hexagon M5 screws) Temporally fitting at 2 places (Tightening about 10mm)
Control box cover
The arrow (➡) should point to the side where the pipes are.
Decorative panel
Key holes
Louver motor connector
Decorative panel fixing screws (Hexagon M5 screw)
Inlet Grille

⚠ CAUTION

Install certainly the decorative panel.
Cool air leakage causes sweating. ⇨ Water drops fall.

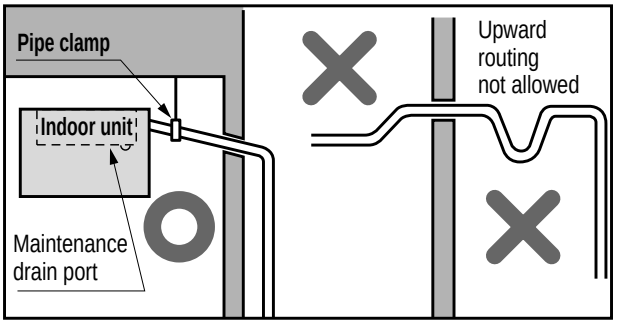


8. INDOOR UNIT DRAIN PIPING

- Drain piping must have down-slope (1/50 to 1/100): be sure not to provide up-and-down slope to prevent reversal flow.
- During drain piping connection, be careful not to exert extra force on the drain port on the indoor unit.
- The outside diameter of the drain connection on the indoor unit is 32mm.

Piping material: Polyvinyl chloride pipe VP-25 and pipe fittings

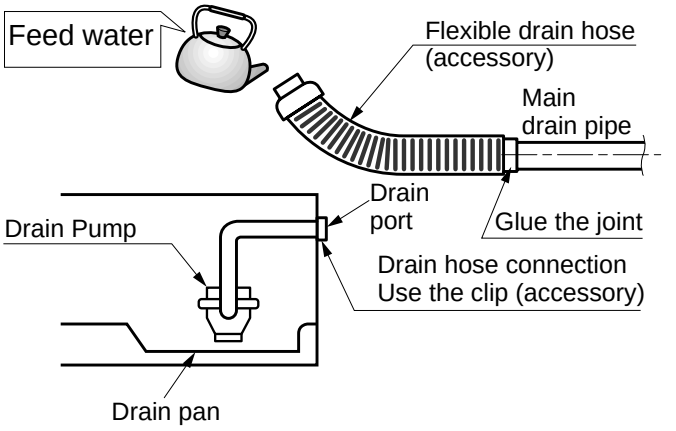
- Be sure to execute heat insulation on the drain piping.



Heat insulation material: Polyethylene foam with thickness more than 8 mm.

Drain test

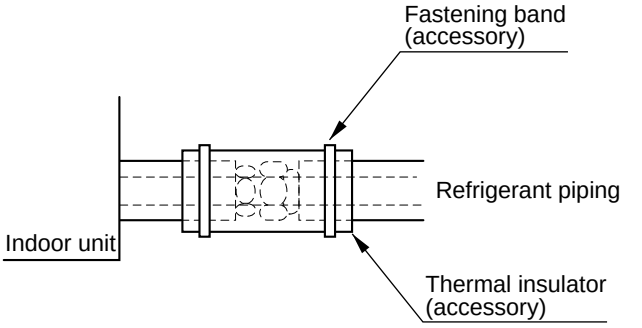
The air conditioner uses a drain pump to drain water.
Use the following procedure to test the drain pump operation:



- Connect the main drain pipe to the exterior and leave it provisionally until the test comes to an end.
- Feed water to the flexible drain hose and check the piping for leakage.
- Be sure to check the drain pump for normal operating and noise when electrical wiring is complete.
- When the test is complete, connect the flexible drain hose to the drain port on the indoor unit.

HEAT INSULATION

1. Use the heat insulation material for the refrigerant piping which has an excellent heat-resistance (over 120°C).
2. Precautions in high humidity circumstance: This air conditioner has been tested according to the "KS Standard Conditions with Mist" and confirmed that there is not any default. However, if it is operated for a long time in high humid atmosphere (dew point temperature: more than 23°C), water drops are liable to fall. In this case, add heat insulation material according to the following procedure:



- Heat insulation material to be prepared... Adiabatic glass wool with thickness 10 to 20mm.
- Stick glass wool on all air conditioners that are located in ceiling atmosphere.
- In addition to the normal heat insulation (thickness: more than 8mm) for refrigerant piping (gas piping: thick piping) and drain piping, add further 10mm to 30mm thickness material.

FORM THE PIPINGS

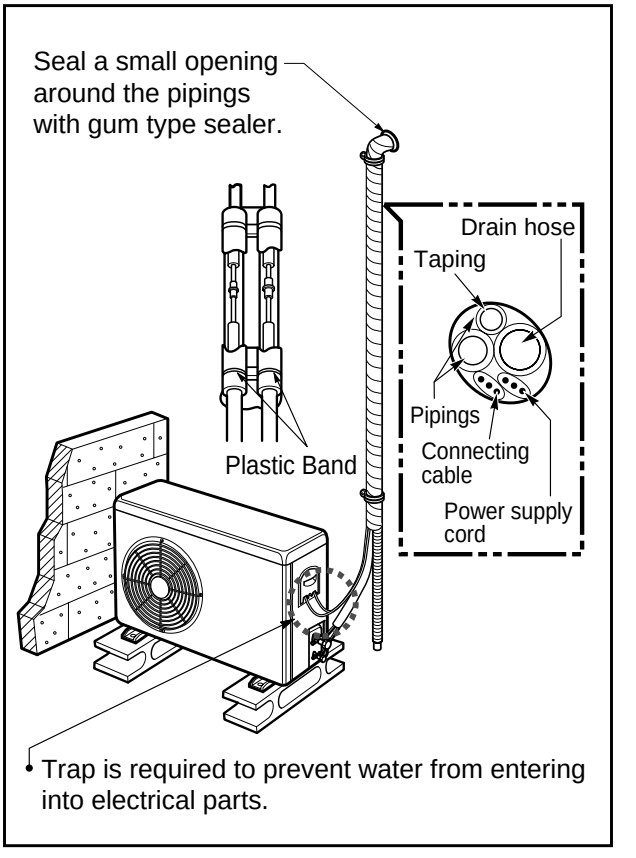
1. Wrap the connecting portion of indoor unit with the Insulation material and secure it with two Plastic Bands. (for the right pipings)

- If you want to connect an additional drain hose, the end of the drain-outlet should keep distance from the ground. (Do not dip it into water, and fix it on the wall to avoid swinging in the wind.)

In case of the Outdoor unit being installed below position of the Indoor unit.

2. Tape the Pipings, drain hose and Connecting Cable from bottom to top.

3. Form the pipings gathered by taping along the exterior wall and fix it onto the wall by saddle or equivalent.

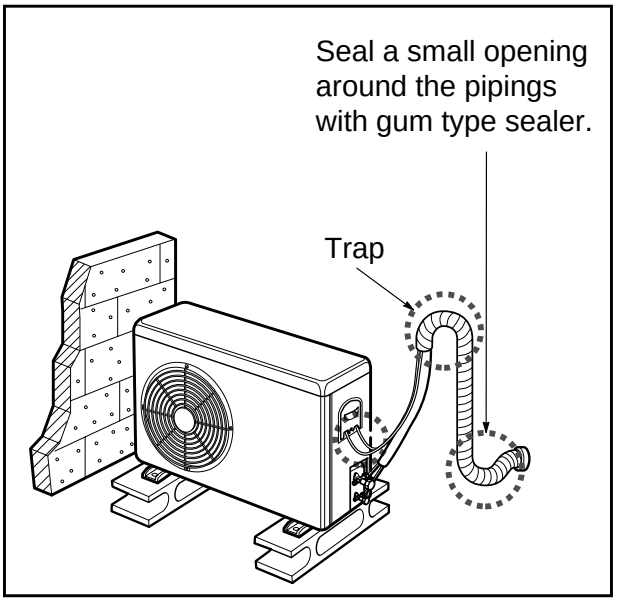


In case of the Outdoor Unit being installed above position of the Indoor Unit.

2. Tape the Pipings and Connecting cable from bottom to top.

3. Form the pipings gathered by taping along the exterior wall, and make the trap prevent water from entering into the room.

4. Fix the pipings onto the wall by saddle or equivalent.



Test running

1) PRECAUTIONS IN TEST RUN

- The initial power supply must provide at least 90% of the rated voltage. Otherwise, the air conditioner should not be operated.

Caution

① For test run, carry out the cooling operation firstly even during heating season. If heating operation is carried out firstly, it leads to the trouble of compressor. Then attention must be paid.

② Carry out the test run more than 5 minutes without fail. (Test run will be cancelled 18 minutes later automatically)

- The test run is started by pressing the room temperature checking button and down timer button for 3 seconds at the same time.
- To cancel the test run, press any button.

CHECK THE FOLLOWING ITEMS WHEN INSTALLATION IS COMPLETE

- After completing work, be sure to measure and record trial run properties, and store measured data, etc.
- Measuring items are room temperature, outside temperature, suction temperature, blow out temperature, wind velocity, wind volume, voltage, current, presence of abnormal vibration and noise, operating pressure, piping temperature, compressive pressure.
- As to the structure and appearance, check following items.

❒ Is the circulation of air adequate?
❒ Is the draining smooth?
❒ Is the heat insulation complete (refrigerant and drain piping)?
❒ Is there any leakage of refrigerant?
❒ Is the remote controller switch operated?
❒ Is there any faulty wiring?
❒ Are not terminal screws loosened?

M4.....118N·cm{12kgf·cm} M5.....196N·cm{20kgf·cm}
M6.....245N·cm{25kgf·cm} M8.....588N·cm{60kgf·cm}

2) Connection of power supply

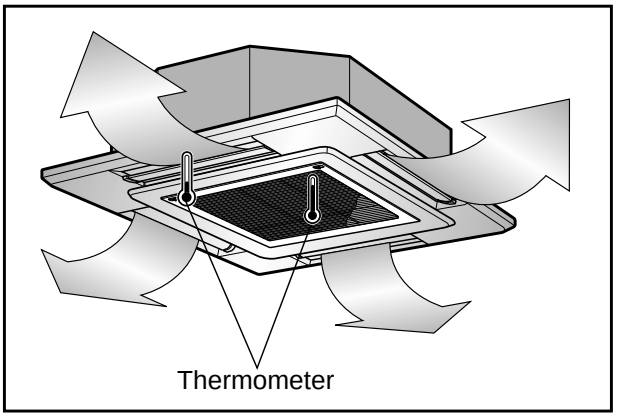
1. Connect the power supply cord to the independent power supply.

• Circuit breaker is required.

2. Operate the unit for fifteen minutes or more.

3) Evaluation of the performance

1. Measure the temperature of the intake and discharge air.
2. Ensure the difference between the intake temperature and the discharge one is more than 8°C (Cooling) or reversely (Heating).



CAUTION

After the confirmation of the above conditions, prepare the wiring as follows:

1) Never fail to have an individual power specialized for the air conditioner. As for the method of wiring, be guided by the circuit diagram pasted on the inside of control box cover.

2) Provide a circuit breaker switch between power source and the unit.

3) The screw which fasten the wiring in the casing of electrical fittings are liable to come loose from vibrations to which the unit is subjected during the course of transportation. Check them and make sure that they are all tightly fastened. (If they are loose, it could give rise to burn-out of the wires.)

4) Specification of power source

5) Confirm that electrical capacity is sufficient.

6) Be sure that the starting voltage is maintained at more than 90 percent of the rated voltage marked on the name plate.

7) Confirm that the cable thickness is as specified in the power sources specification. (Particularly note the relation between cable length and thickness.)

8) Never fail to equip a leakage breaker where it is wet or moist.

9) The following troubles would be caused by voltage drop-down.

• Vibration of a magnetic switch, damage on the contact point there of, fuse breaking, disturbance to the normal function of a overload protection device.

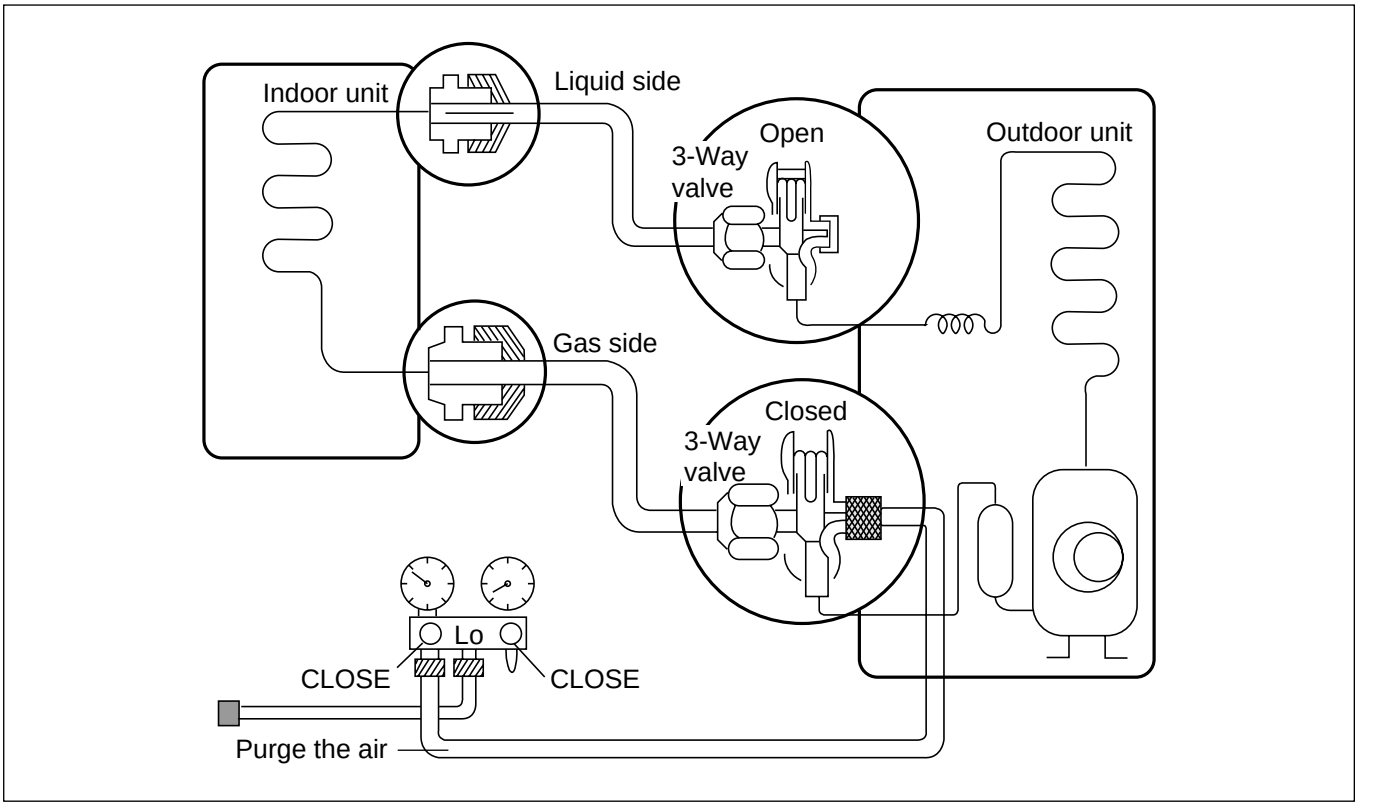
• Proper starting power is not given to the compressor.

HAND OVER

Teach the customer the operation and maintenance procedures, using the operation manual (air filter cleaning, temperature control, etc.).

3-way Valve

1. Pumping down



• Procedure

(1) Confirm that both liquid side and gas side valves are set to the open position.
- Remove the valve stem caps and confirm that the valve stems are in the raised position.
- Be sure to use a hexagonal wrench to operate the valve stems.

(2) Operate the unit for 10 to 15 minutes.

(3) Stop operation and wait for 3 minutes, then connect the charge set to the service port of the 3-way valve.
- Connect the charge hose to the service port.

(4) Air purging of the charge hose.
- Open the low-pressure valve on the charge set slightly to air purge from the charge hose.

(5) Set the liquid side valve to the closed position.

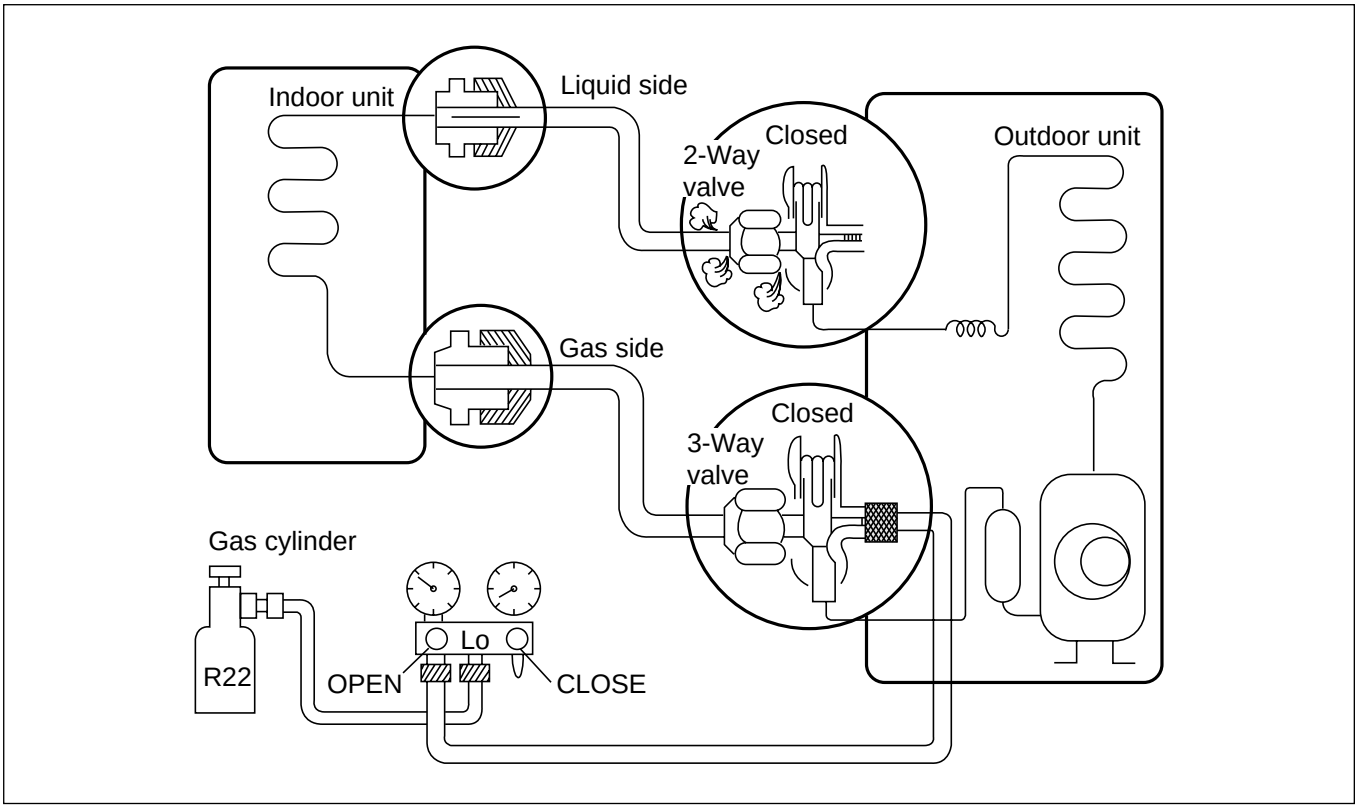
(6) Operate the air conditioner in cooling mode and stop it when the gauge indicates 1kg/cm²g.

(7) Immediately set the 3-way valve to the closed position.
- Do this quickly so that the gauge ends up indicating 3 to 5kg/cm²g.

(8) Disconnect the charge set, and mount the 2-way and 3-way valve's stem nuts and the service port nut.
- Use torque wrench to tighten the service port nut to a torque of 1.8 kg.m.
- Be sure to check for gas leakage.

1) Re-air purging

(Re-installation)



• Procedure

(1) Confirm that both the liquid side valve and the gas side valve are set to the closed position.

(2) Connect the charge set and a gas cylinder to the service port of the 3-way valve.
- Leave the valve on the gas cylinder closed.

(3) Air purging.
- Open the valves on the gas cylinder and the charge set. Purge the air by loosening the flare nut on the liquid side valve approximately 45° for 3 seconds then closing it for 1 minute; repeat 3 times.
- After purging the air, use a torque wrench to tighten the flare nut on liquid side valve.

(4) Check for gas leakage.
- Check the flare connections for gas leakage.

(5) Discharge the refrigerant.
- Close the valve on the gas cylinder and discharge the refrigerant until the gauge indicates 3 to 5 kg/cm^{2}g.

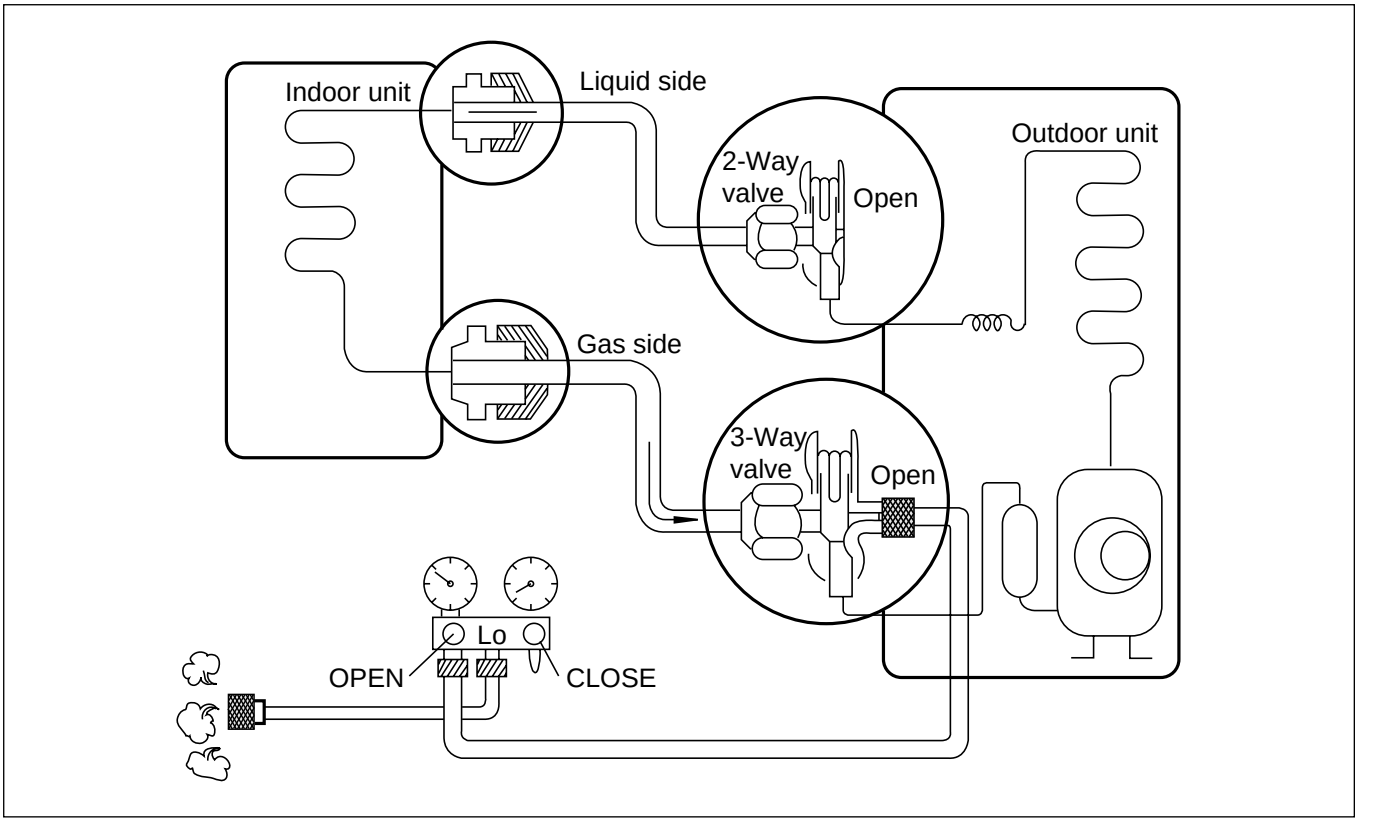
(6) Disconnect the charge set and the gas cylinder, and set the 2-way and 3-way valves to the open position.
- Be sure to use a hexagonal wrench to operate the valve stems.

(7) Mount the valve stem nuts and the service port nut.
- Use torque wrench to tighten the service port nut to a torque of 1.8 kg.m.
- Be sure to check for gas leakage.

*** CAUTION:**
Do not leak the gas in the air during Air Purging.

2) Balance refrigerant of the 3-way valve

(Gas leakage)



• Procedure

(1) Confirm that both the liquid side and gas side valves are set to the back seat.

(2) Connect the charge set to the 3-way valve's port.

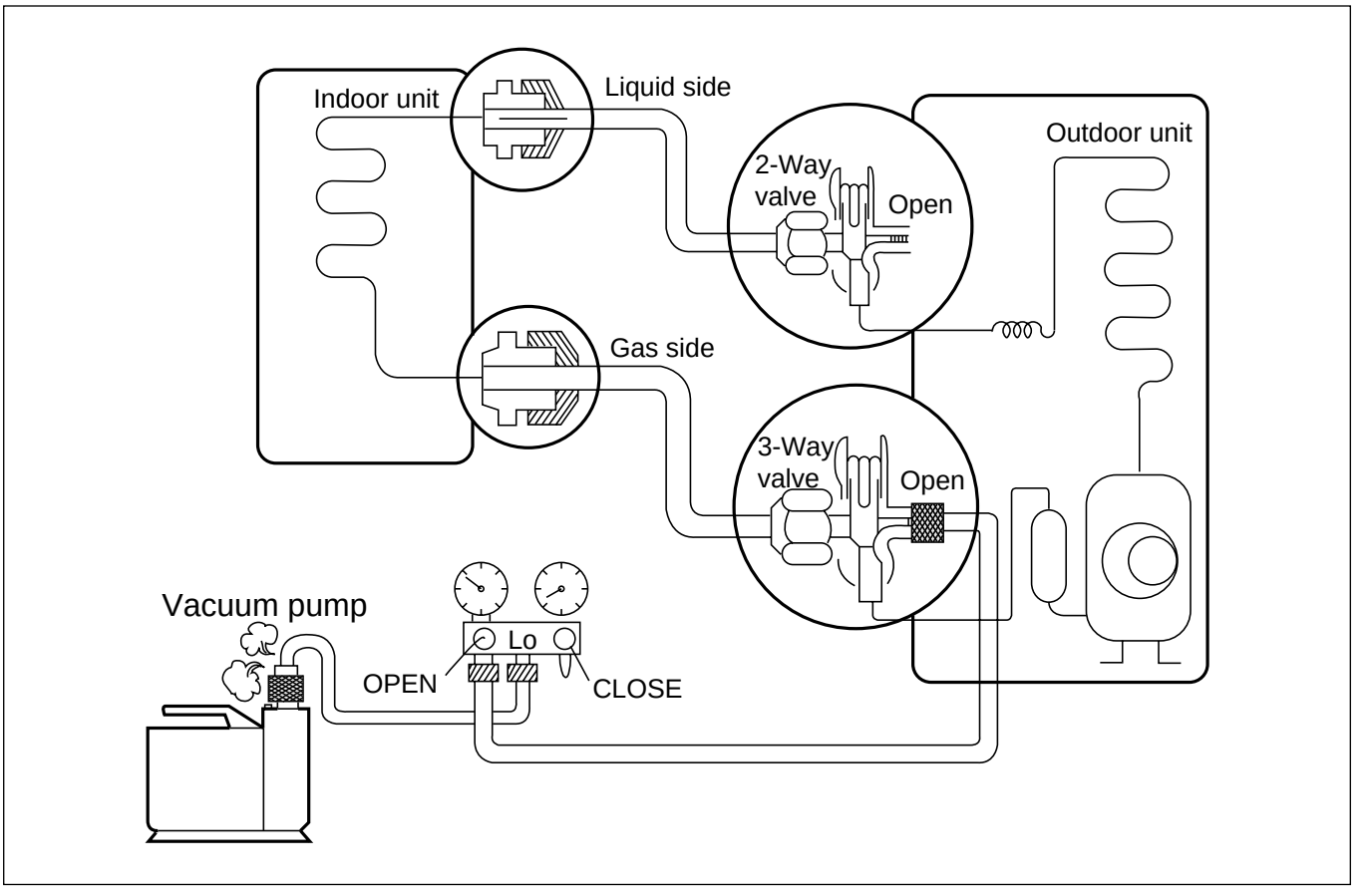
– Leave the valve on the charge set closed.
– Connect the charge hose to the service port.

(3) Open the valve (Lo side) on the charge set and discharge the refrigerant until the gauge indicates 0 kg/cm²G.

– If there is no air in the refrigerant cycle (the pressure when the air conditioner is not running is higher than 1 kg/cm²G), discharge the refrigerant until the gauge indicates 0.5 to 1 kg/cm²G. if this is the case, it will not be necessary to apply a evacuatin.
– Discharge the refrigerant gradually; if it is discharged too suddenly, the refrigeration oil will also be discharged.

2. Evacuation

(All amount of refrigerant leaked)



• Procedure

(1) Connect the vacuum pump to the center hose of charge set center hose

(2) Evacuation for approximately one hour.

– Confirm that the gauge needle has moved toward -76 cmHg (vacuum of 4 mmHg or less).

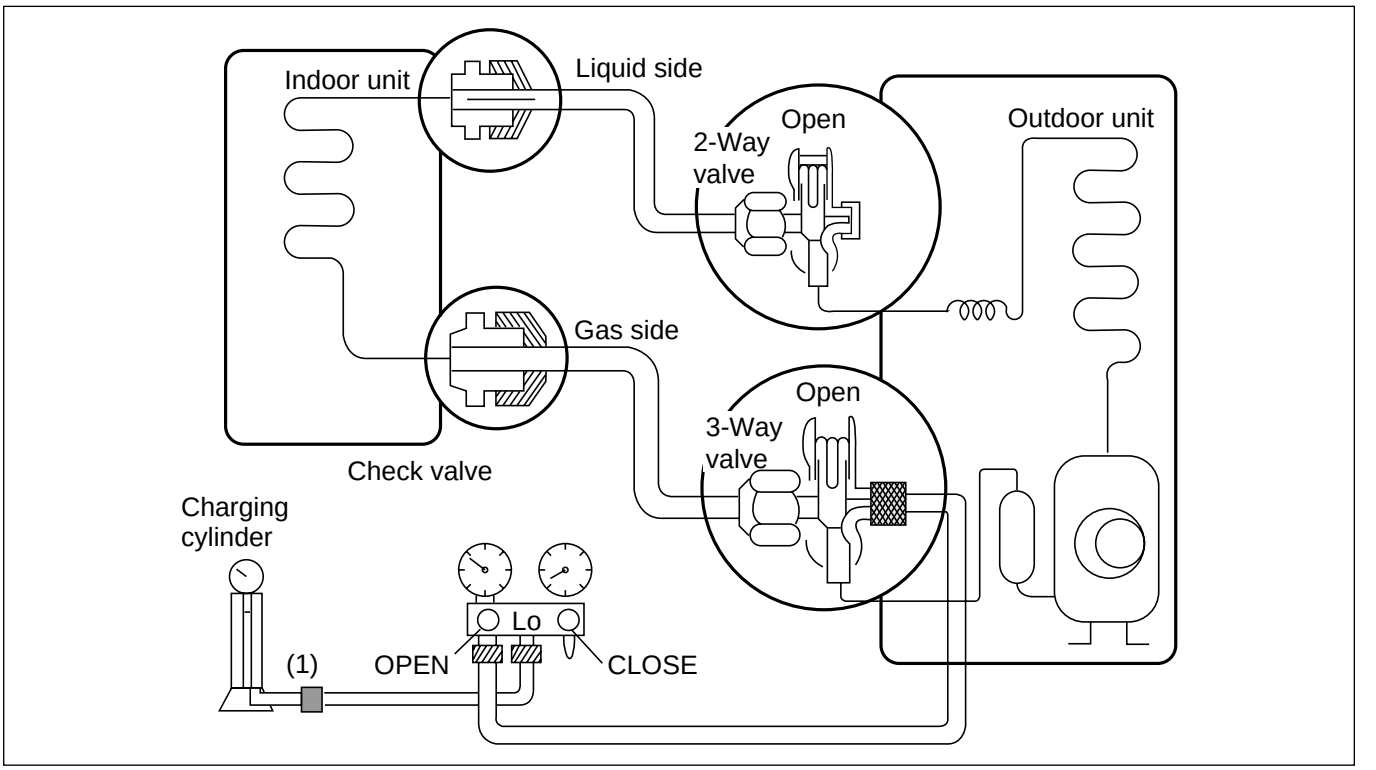
(3) Close the valve (Lo side) on the charge set, turn off the vacuum pump, and confirm that the gauge needle does not move (approximately 5 minutes after turning off the vacuum pump).

(4) Disconnect the charge hose from the vacuum pump.

– Vacuum pump oil.
If the vacuum pump oil becomes dirty or depleted, replenish as needed.

3. Gas Charging

(After Evacuation)



• Procedure

(1) Connect the charge hose to the charging cylinder.
- Connect the charge hose which you disconnected from the vacuum pump to the valve at the bottom of the cylinder.
- If you are using a gas cylinder, also use a scale and reverse the cylinder so that the system can be charged with liquid.

(2) Purge the air from the charge hose.
- Open the valve at the bottom of the cylinder and press the check valve on the charge set to purge the air. (Be careful of the liquid refrigerant). The procedure is the same if using a gas cylinder.

(3) Open the valve (Lo side on the charge set and charge the system with liquid refrigerant.
- If the system can not be charged with the specified amount of refrigerant, it can be charged with a little at a time (approximately 150g each time) while operating the air conditioner in the cooling cycle; however, one time is not sufficient, wait approximately 1 minute and then repeat the procedure (pumping down-pin).

This is different from previous procedures.
Because you are charging with liquid refrigerant from the gas side, absolutely do not attempt to charge with larger amounts of liquid refrigerant while operating the air conditioner.

(4) Immediately disconnect the charge hose from the 3-way valve's service port.
- Stopping partway will allow the gas to be discharged.
- If the system has been charged with liquid refrigerant while operating the air conditioner turn off the air conditioner before disconnecting the hose.

(5) Mount the valve stem nuts and the service port nut.
- Use torque wrench to tighten the service port nut to a torque of 1.8 kg.m.
- Be sure to check for gas leakage.

Cycle Troubleshooting Guide

Trouble analysis

1. Check temperature difference between intake and discharge air and operating current.

	Temp. difference : approx. 0°C Current : less than 80% of rated current	All amount of refrigerant leaked out Check refrigeration cycle
Temp. Difference	Temp. difference : approx. 8°C Current : less than 80% of rated current	Refrigerant leakege Clog of refrigeration cycle Defective compressor
Operating Current	Temp. difference : less than 8°C Current : over the rated current	Excessive amount of refrigerant
	Temp. difference : over 8°C	Normal

Notice :
Temperature difference between intake and discharge air depends on room air humidity. When the room air humidity is relativery higher, temperature difference is smaller. When the room air humidity is relatively lower temperature difference is larger.

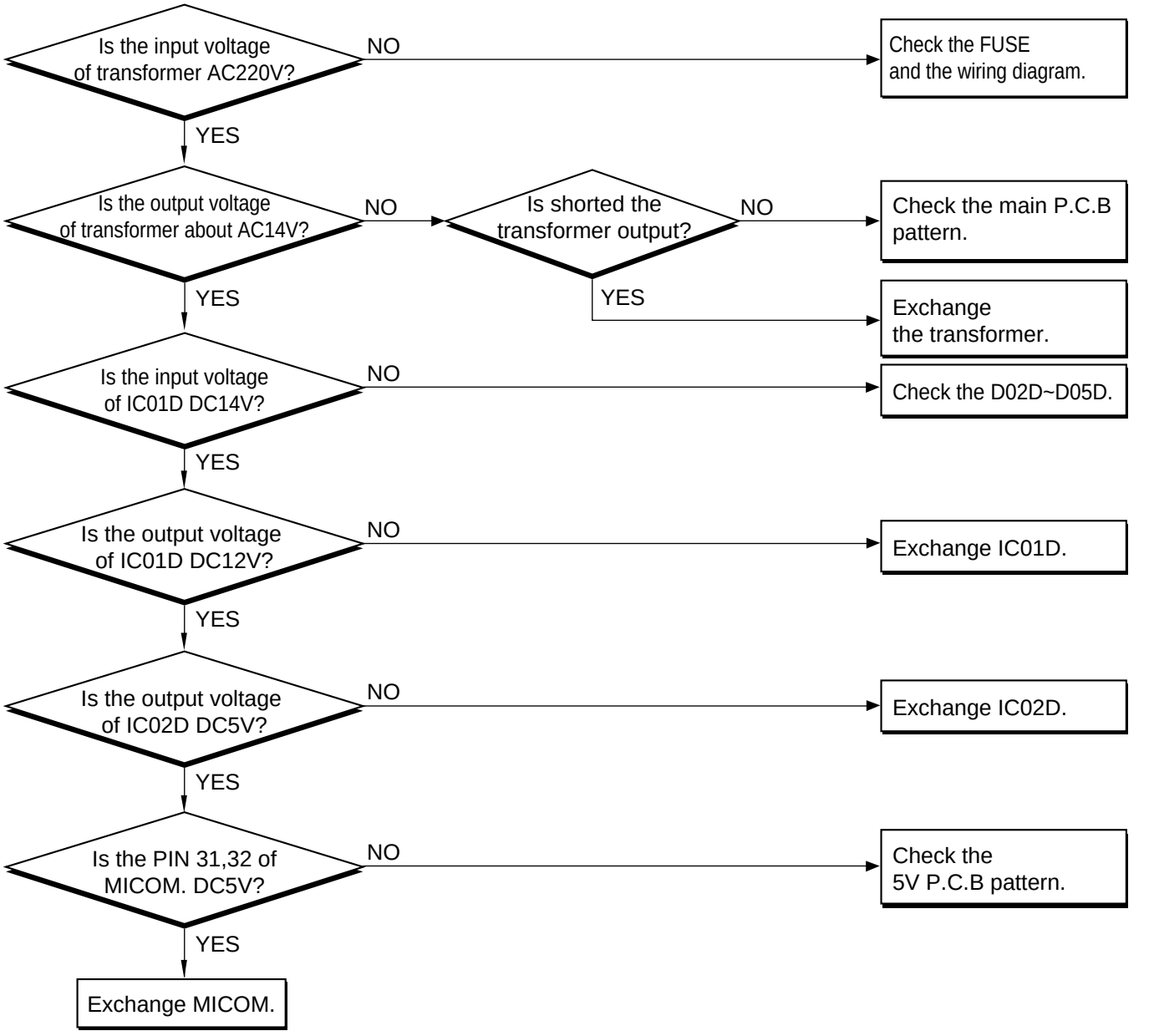
2. Check temperature and pressure of refrigeration cycle.

Suction pressure (Compared with the normal value)	Temperature (Compared with the normal value)	Cause of Trouble	Description
Higher	High	Defective compressor Defective 4-way reverse valve	Current is low
	Normal	Excessive amount of refrigerant	High pressure does not quickly rise at the beginning of operation
Lower	Higher	Insufficient amount of refrigerant (Leakage) Clogging	Current is low Current is low

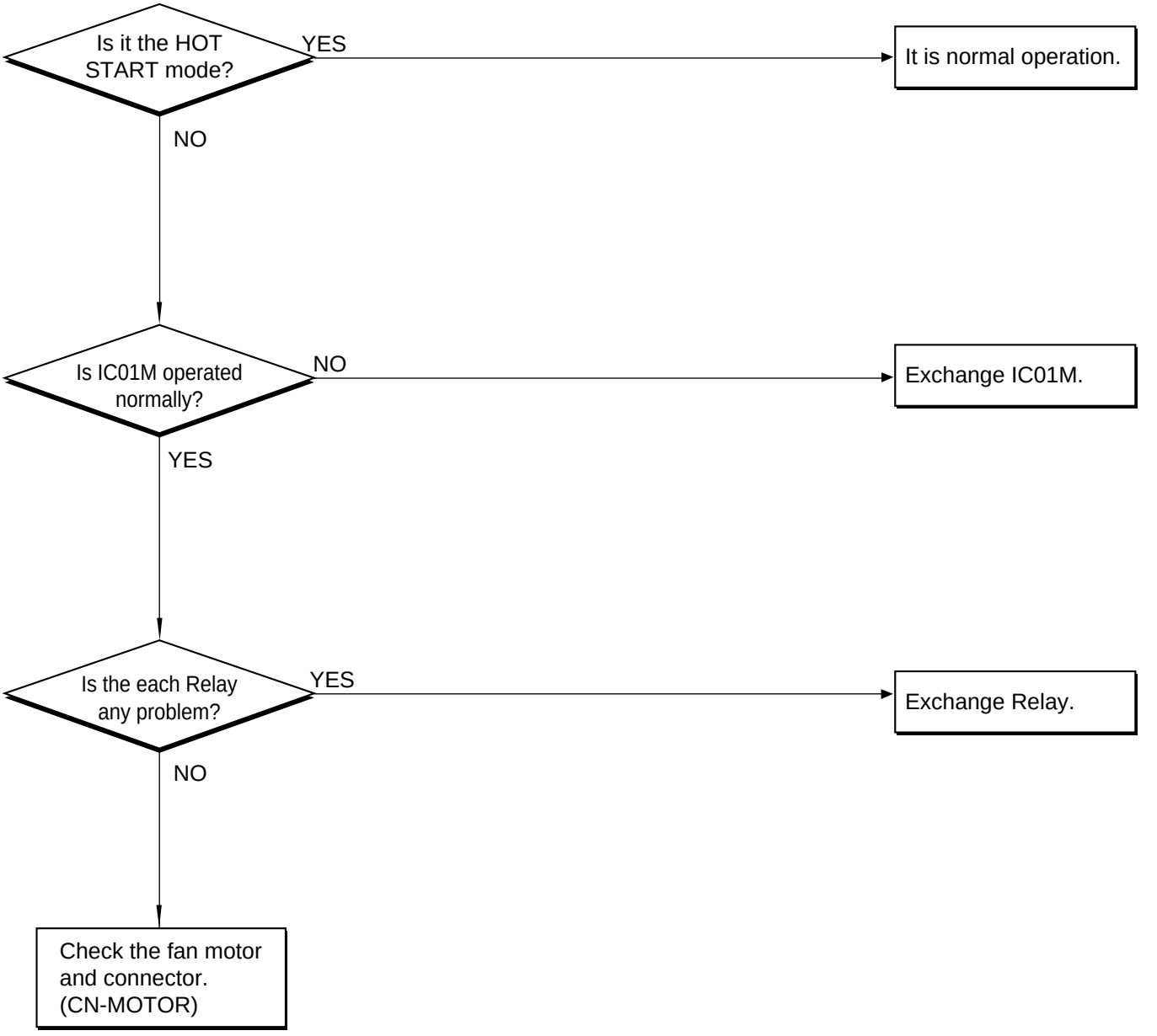
Notice :
1. The suction pressure is usually 4.5~6.0 kg/cm^{2}G at normal condition.
2. The temperature can be measured by attaching the thermometer to the low pressure tubing and wrap it with putty.

Electronic Parts Troubleshooting Guide

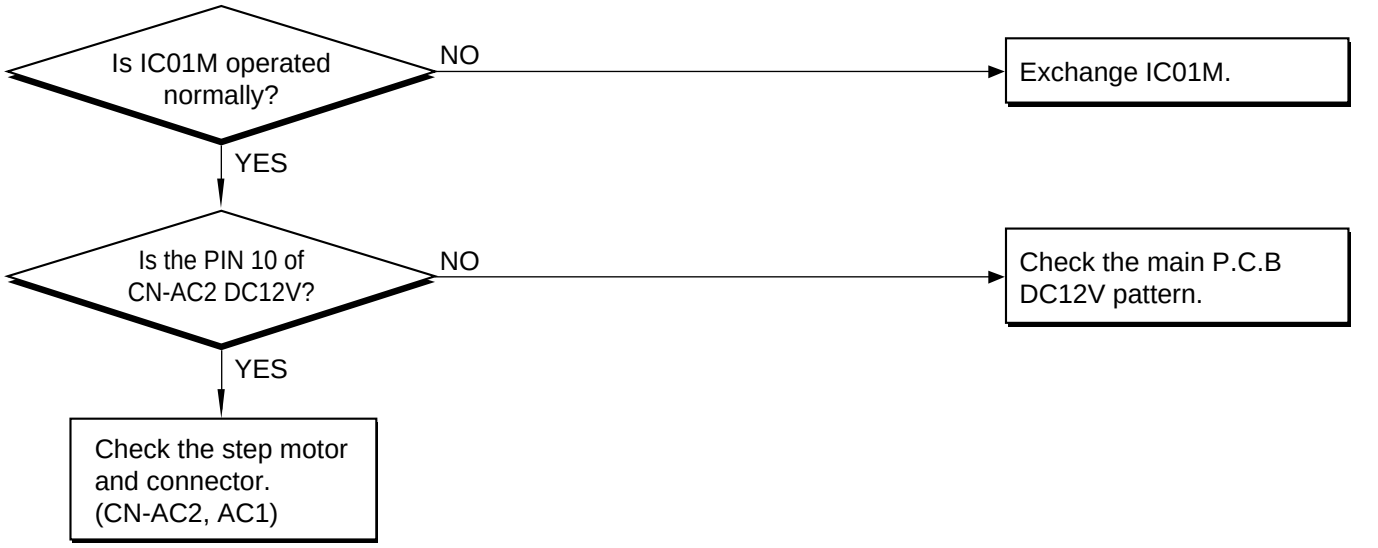
Possible Trouble 1 : The unit does not operate.



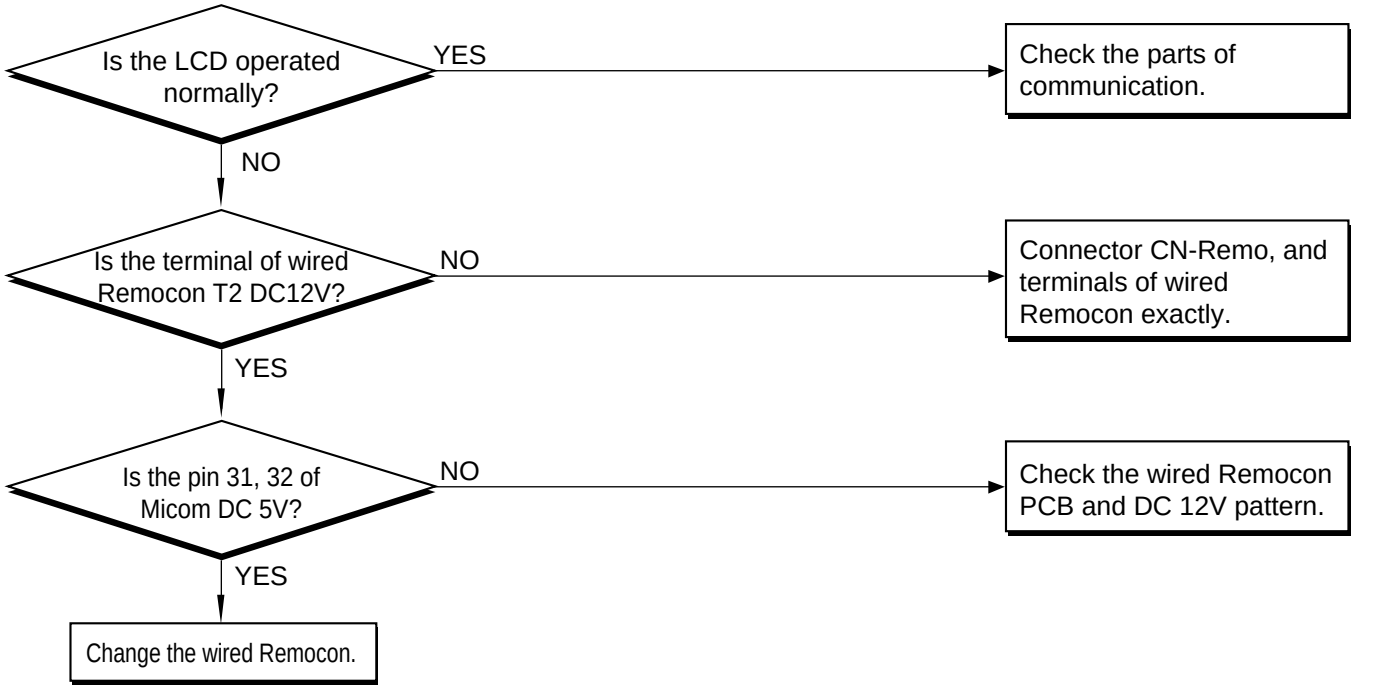
Possible Trouble 2 : The indoor fan does not operate.



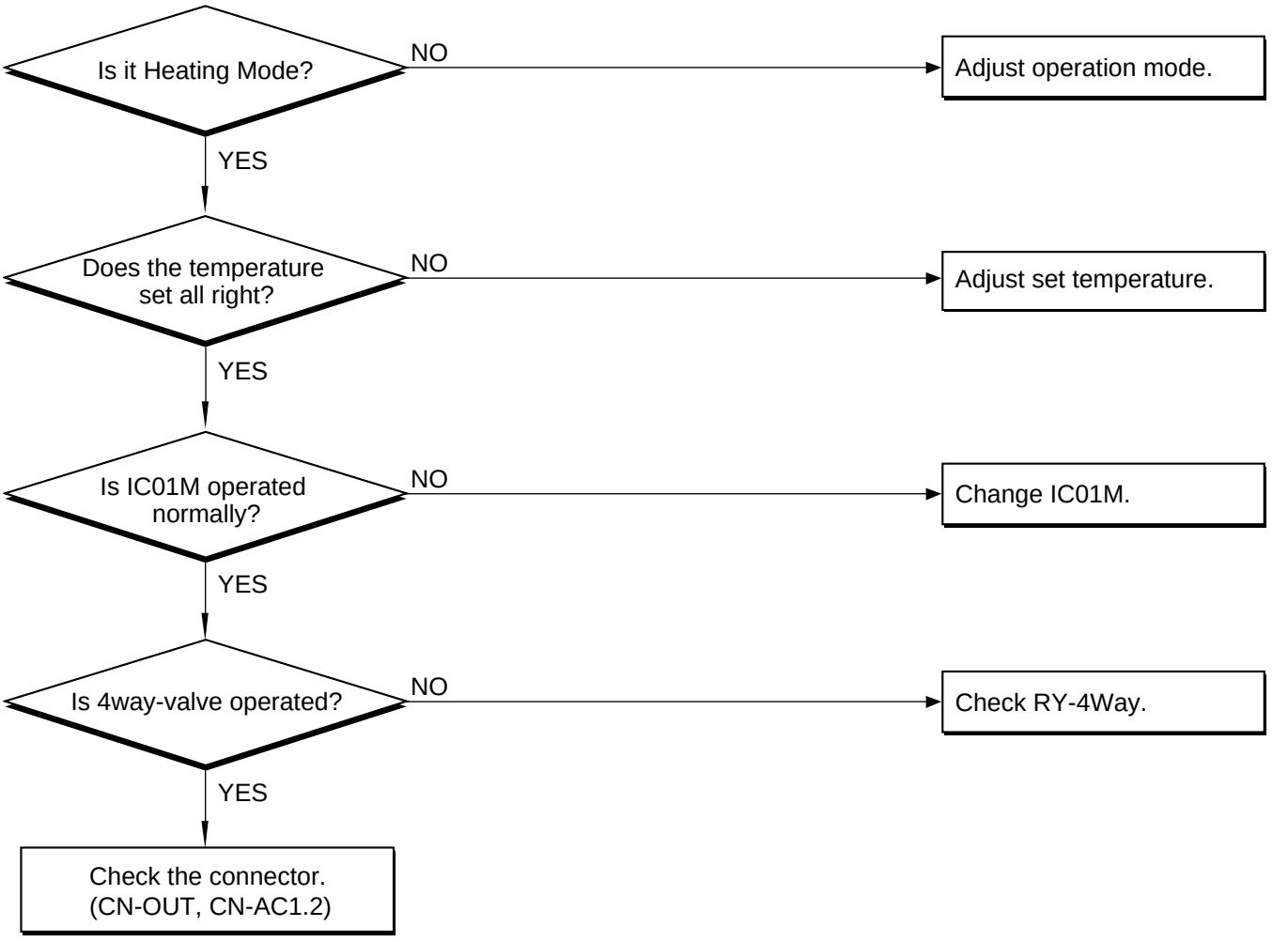
Possible Trouble 3 : Auto Air direction louver does not operate.



Possible Trouble 4 : Wired remote controller does not operate.

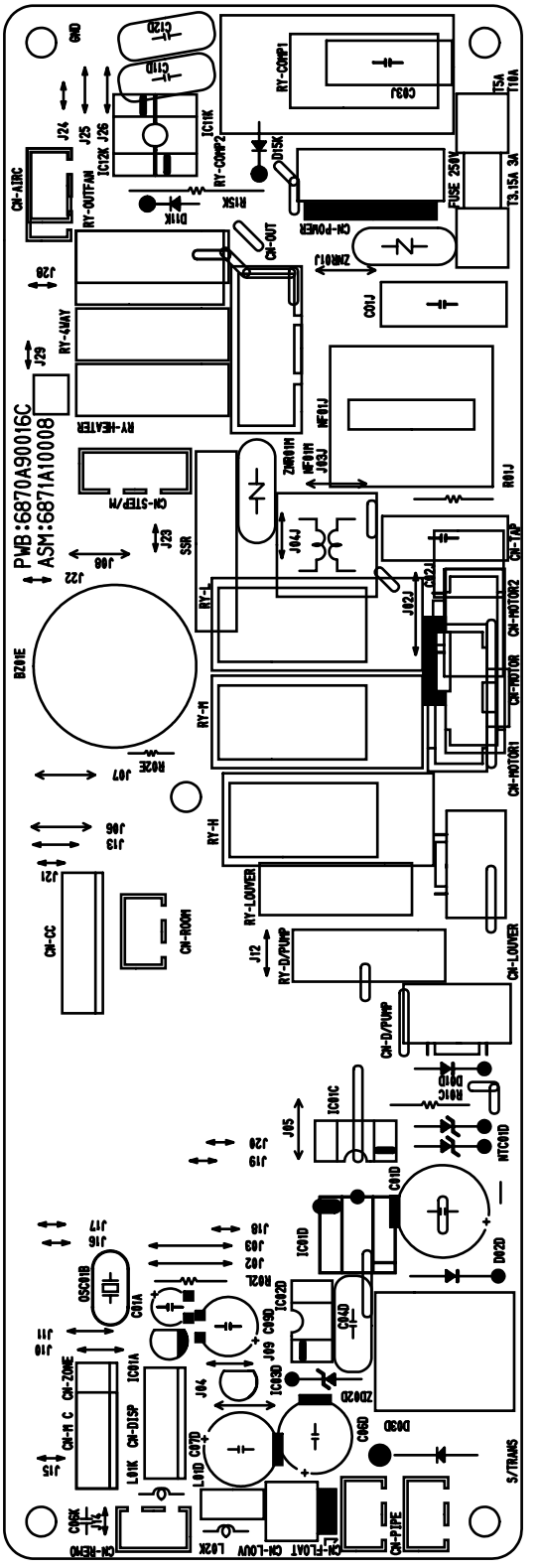

Is the LCD operated normally?
YES
Check the parts of communication.
NO
Is the terminal of wired Remocon T2 DC12V?
NO
Connector CN-Remo, and terminals of wired Remocon exactly.
YES
Is the pin 31, 32 of Micom DC 5V?
NO
Check the wired Remocon PCB and DC 12V pattern.
YES
Change the wired Remocon.

Possible Trouble 5 : Ineffective Heating

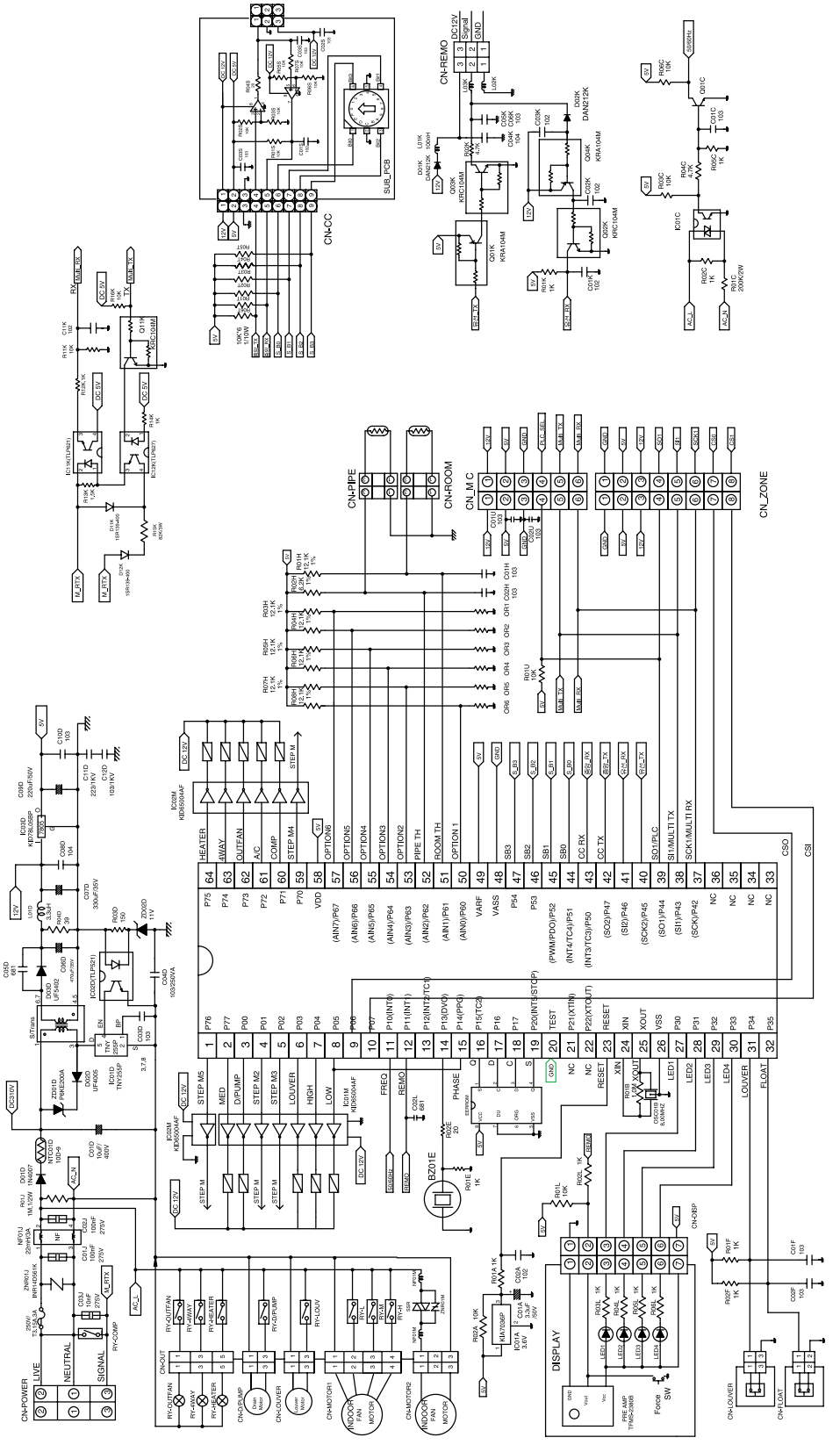


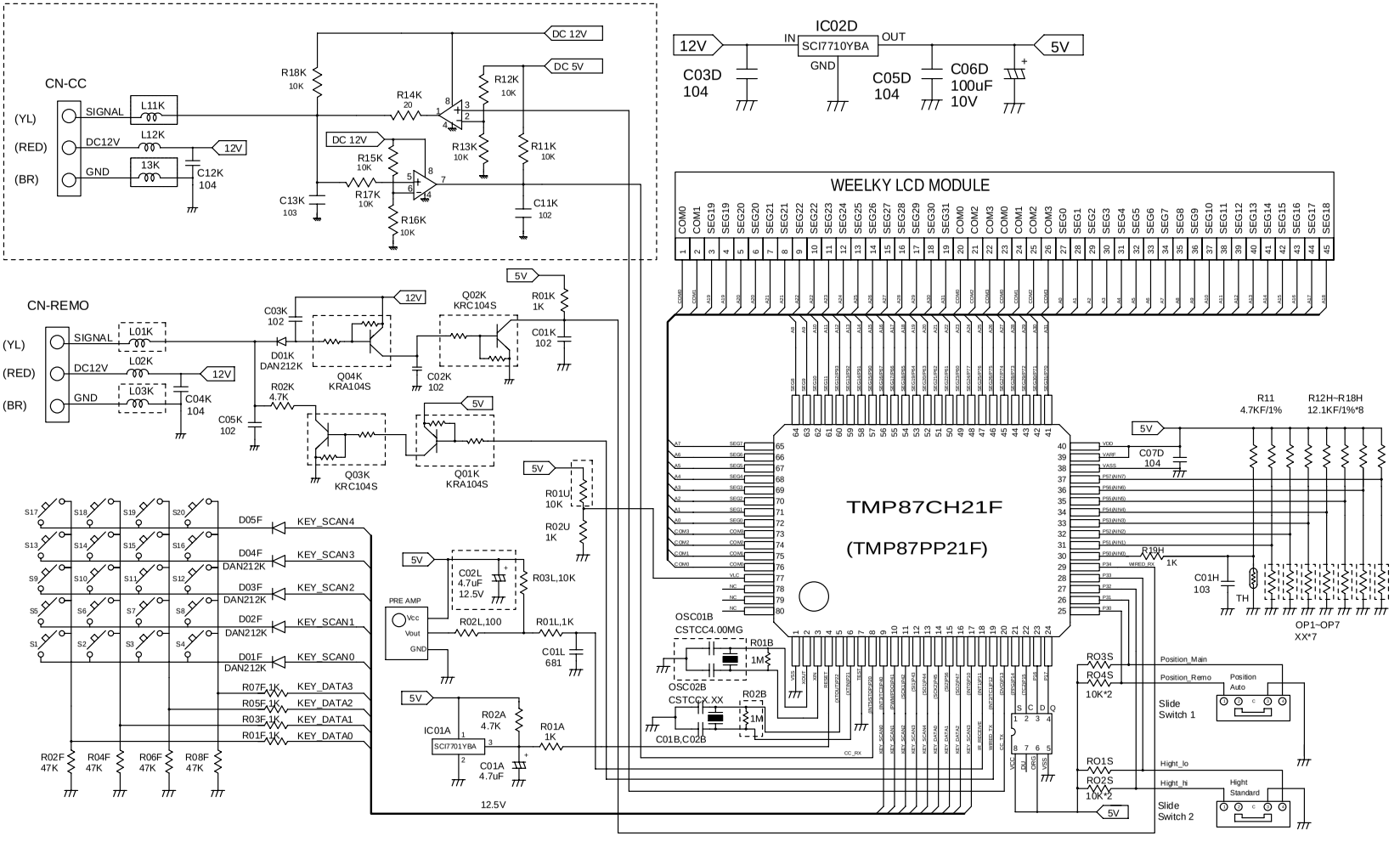
Electronic control device

■ MAIN P.C.B ASM



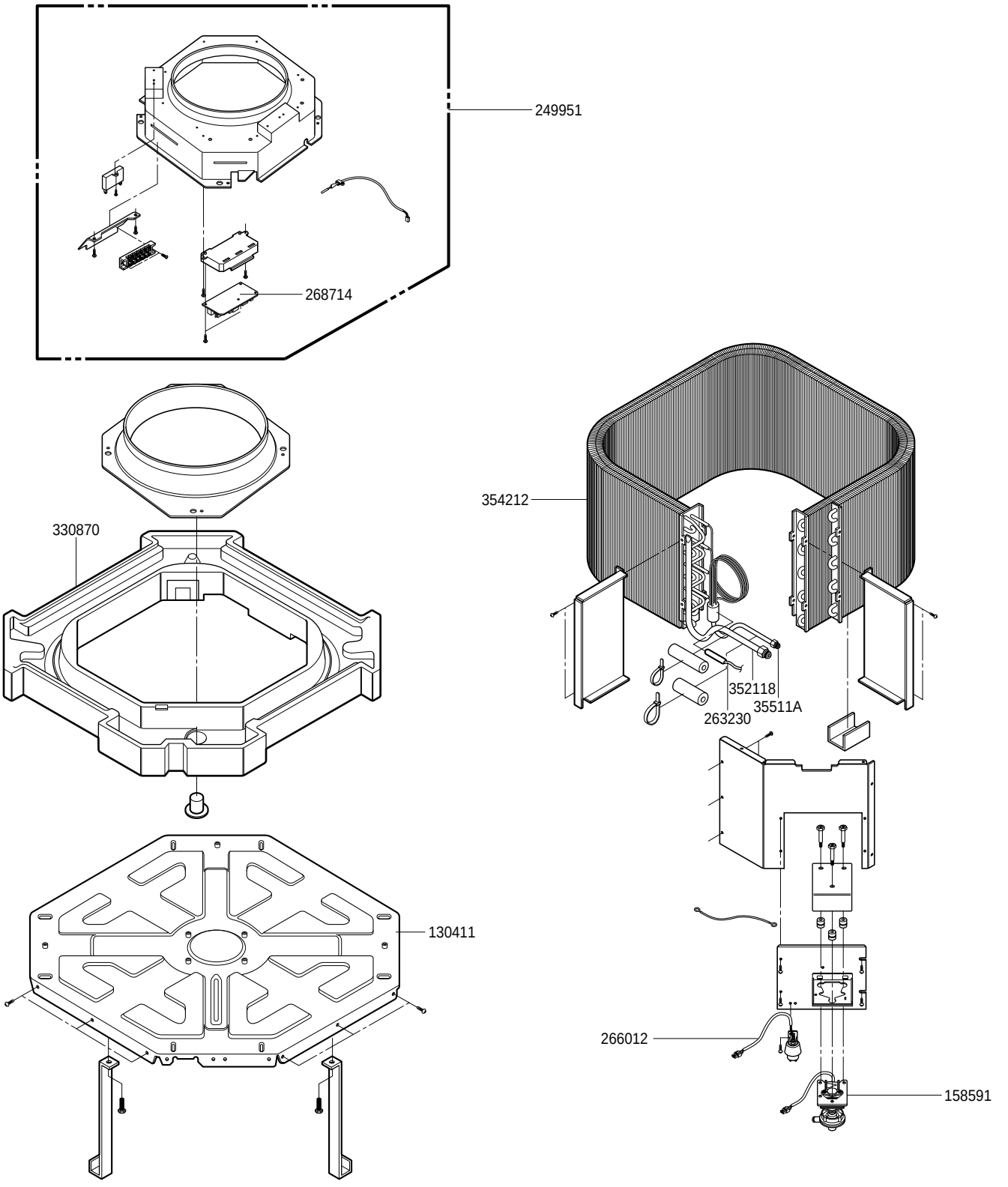
Schematic Diagram

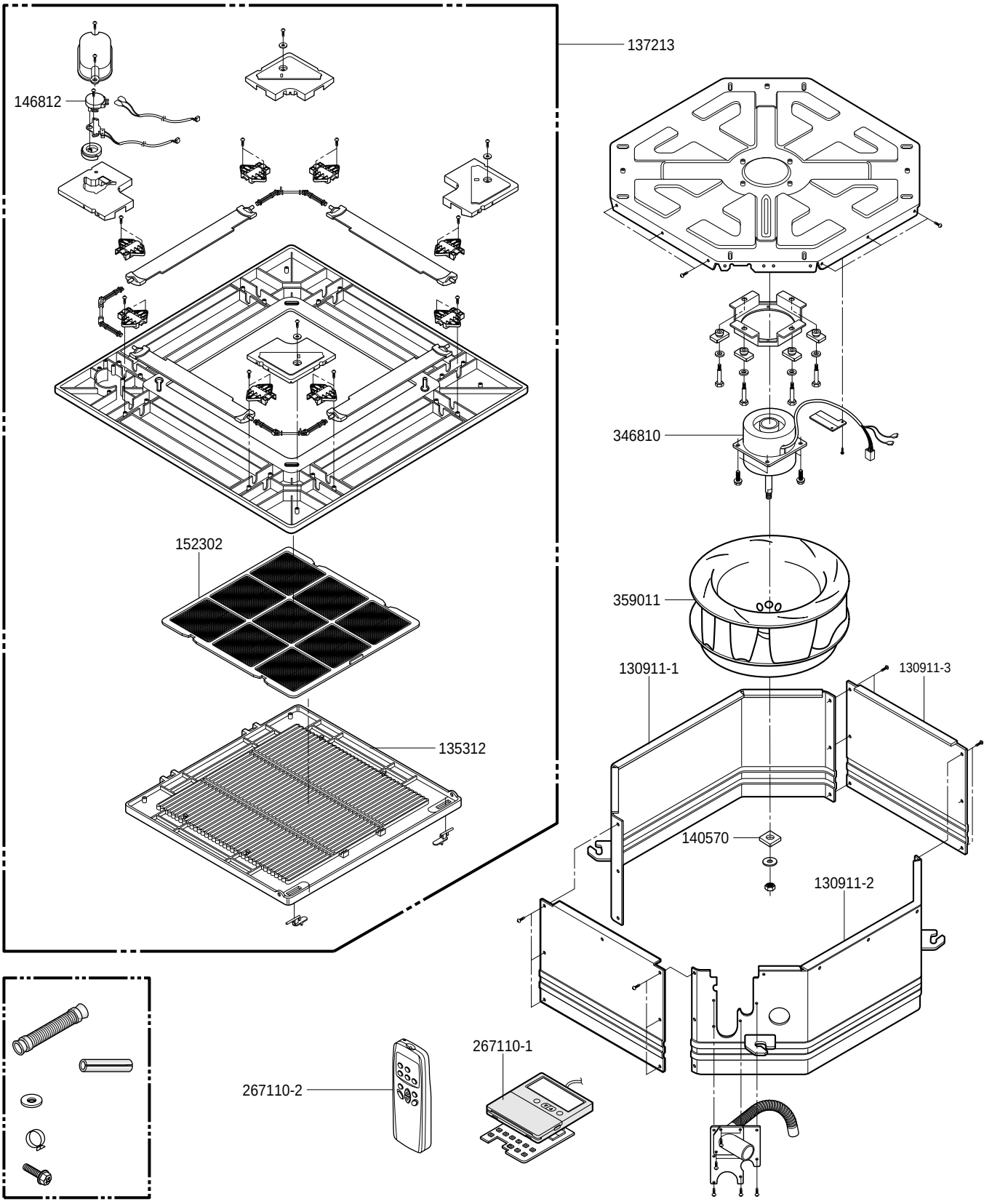



CN-CC
(YL)
(RED)
(BR)
SIGNAL
DC12V
GND
L11K
L12K
13K
C12K
104
12V
DC 12V
DC 5V
R18K
10K
R14K
20
R12K
10K
R15K
10K
R17K
10K
R16K
10K
R13K
10K
R11K
10K
C13K
103
C11K
102
IC02D
12V
IN
SCI7710YBA
OUT
5V
GND
C03D
104
C05D
104
C06D
100uF
10V
WEELKY LCD MODULE
TMP87CH21F
(TMP87PP21F)
CN-REMO
L01K
L02K
L03K
C04K
104
C03K
102
D01K
DAN212K
Q04K
KRA104S
Q02K
KRC104S
R01K
1K
C01K
102
C02K
102
R02K
4.7K
C05K
102
Q03K
KRC104S
Q01K
KRA104S
R01U
10K
R02U
1K
R03L,10K
C02L
4.7uF
12.5V
PRE AMP
Vcc
Vout
GND
R02L,100
R01L,1K
C01L
681
IC01A
SCI7701YBA
R02A
4.7K
R01A
1K
C01A
4.7uF
12.5V
D05F
D04F
D03F
D02F
D01F
DAN212K
KEY_SCAN4
KEY_SCAN3
KEY_SCAN2
KEY_SCAN1
KEY_SCAN0
KEY_DATA3
KEY_DATA2
KEY_DATA1
KEY_DATA0
R07F,1K
R05F,1K
R03F,1K
R01F,1K
R02F
47K
R04F
47K
R06F
47K
R08F
47K
OSC01B
CSTCC4.00MG
R01B
1M
OSC02B
CSTCCX.XX
R02B
1M
C01B,C02B
R11
4.7KF/1%
R12H~R18H
12.1KF/1%*8
C07D
104
R10H
1K
C01H
103
TH
OP1~OP7
XX*7
RO3S
RO4S
10K*2
Position_Main
Position_Remo
Position
Auto
Slide
Switch 1
RO1S
RO2S
10K*2
Hight_lo
Hight_hi
Hight
Standard
Slide
Switch 2

Exploded View and Replacement Parts List

1. Indoor Unit




137213
146812
152302
135312
346810
359011
130911-1
130911-3
140570
130911-2
267110-1
267110-2

Parts List

• MODEL: LT-B2421CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137E	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008J	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002J	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041A	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006D	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B2421HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137F	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008H	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002H	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041B	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006D	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B2461CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137C	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008J	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002G	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041A	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006B	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A10013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B2461HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137D	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008H	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002F	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041B	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006B	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B2821CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137E	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008J	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002G	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041A	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006A	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B2821HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137D	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008H	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002F	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041B	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006A	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A10013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B2861CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137C	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008J	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002G	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041A	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006C	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A10013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B2861HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137D	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008H	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002F	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041B	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006C	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A10013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B3021CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137E	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008J	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002J	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041A	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006A	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B3021HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137D	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008H	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002H	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041B	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006A	MOTOR ASSY, INDOOR	R
352118	5211A30020A	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A10013A	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021A	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B3621CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137C	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008J	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002J	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041A	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006G	MOTOR ASSY, INDOOR	R
352118	5211A30020B	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013C	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021C	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B3621HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137D	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008H	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002H	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041B	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006G	MOTOR ASSY, INDOOR	R
352118	5211A30020B	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013C	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021C	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B3661CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137C	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008J	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002G	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041A	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006F	MOTOR ASSY, INDOOR	R
352118	5211A30020B	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013C	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021C	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B3661HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137D	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008H	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002F	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041B	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006F	MOTOR ASSY, INDOOR	R
352118	5211A30020B	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013C	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021C	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

Parts List

• MODEL: LT-B3681CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137C	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008J	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002G	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041A	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006F	MOTOR ASSY, INDOOR	R
352118	5211A30020B	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013C	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021C	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

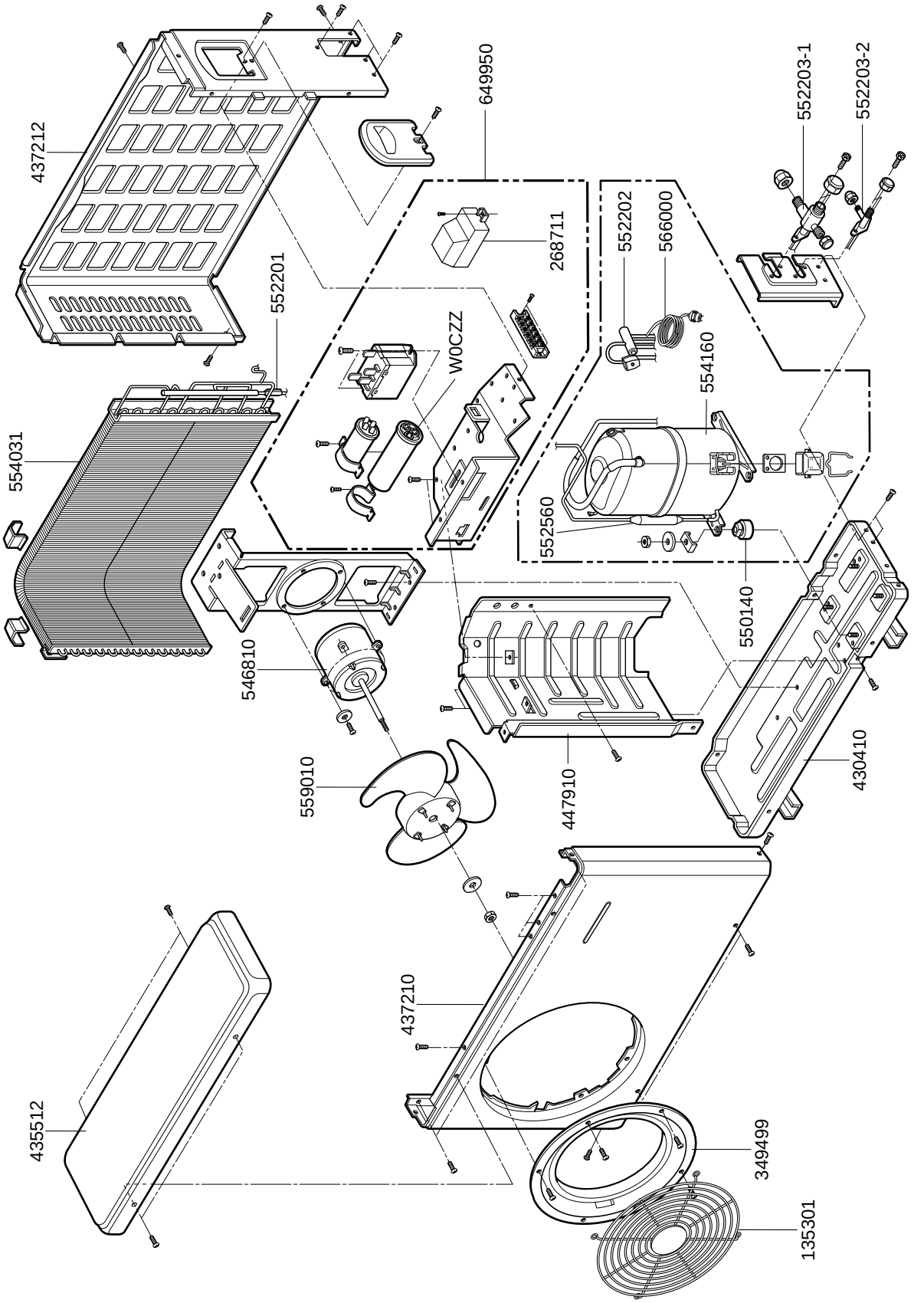
Parts List

• MODEL: LT-B3681HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
130411	3041A20001A	BASE ASSY, INDOOR	R
130911-1	3091A30001A	CABINET ASSY, INDOOR	R
130911-2	3091A30002A	CABINET ASSY, INDOOR	R
130911-3	3091A30003A	CABINET ASSY, INDOOR	R
135312	3531A10004B	GRILLE ASSY, FRONT	R
137213	3721A10001M	PANEL ASSY, SIDE	R
140570	4057AP4344A	LOCKER ASSY	R
146812	2H01102A	MOTOR ASSY, SYNC.	R
152302	5231AP2884A	FILTER(MECH), A/C	R
158591	5859A20001A	PUMP ASSY, WATER	R
249951	4995A20137D	CONTROL BOX ASSY, INDOOR	R
268714	6871A10008H	PWB(PCB) ASSY, MAIN	R
263230	6323AQ3226B	THERMISTOR ASSY	R
266012	6601A20001A	SWITCH ASSY, FLOAT	R
267110-1	6711A10002F	REMOTE CONTROLLER ASSY	R
267110-2	6711A20041B	REMOTE CONTROLLER ASSY	R(OPTION)
330870	3087AP1369A	DRAIN PAN ASSY	R
346810	4681A20006F	MOTOR ASSY, INDOOR	R
352118	5211A30020B	TUBE ASSY, MENIFOLD(INDOOR)	R
354212	5421A20013C	EVAPORATOR ASSY, FINAL	R
35511A	5211A30021C	TUBE ASSY, SUCTION INDOOR	R
359011	5901A10001B	FAN ASSY, TURBO	R

2. Outdoor Unit

2-1. MODEL: LT-B2461CL/B2461HL/B2861CL/B2421CL/B2421HL/B2821CL/B3021CL



Parts List

• MODEL: LT-B2421CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530AP2289V	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
349499	4948AP2527A	ORIFICE	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266J	COVER ASSY, TOP(OUTDOOR)	R
437210	3721A20005G	PANEL ASSY, FRONT(OUTDOOR)	R
447910	2H02110A	BARRIER ASSY, OUTDOOR	R
546810	4681A20008J	MOTOR ASSY, OUTDOOR	R
550140	4H01765A	ISOLATOR, COMP	R
552203-1	2A00392E	VALVE, SERVICE	R
552203-2	2A00393C	VALVE, SERVICE	R
552560	5257AR3648A	MUFFLER	R
554031	5402AR2347K	CONDENSER ASSY, BENT	R
554160	2A00713A	COMPRESSOR ASSY, FINAL	R
559010	1A00195B	FAN ASSY, PROPELLER	R
649950	4995A20025H	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194K	CAPACITOR, DRAWING	R

Parts List

• MODEL: LT-B2421HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530AP2289V	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
349499	4948AP2527A	ORIFICE	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266J	COVER ASSY, TOP(OUTDOOR)	R
437210	3721A20005G	PANEL ASSY, FRONT(OUTDOOR)	R
447910	2H02110A	BARRIER ASSY, OUTDOOR	R
546810	4681A20008J	MOTOR ASSY, OUTDOOR	R
550140	4H01765A	ISOLATOR, COMP	R
552201	3A01020H	VALVE, CHECK	R
552202	3A02027A	VALVE, REVERSING	R
552203-1	2A00392E	VALVE, SERVICE	R
552203-2	2A00393Q	VALVE, SERVICE	R
552560	3A02035E	MUFFLER	R
554031	5402AR2347B	CONDENSER ASSY, BENT	R
554160	2A00713A	COMPRESSOR ASSY, FINAL	R
559010	1A00195B	FAN ASSY, PROPELLER	R
566000	3A01100A	SWITCH, PRESSURE	R
649950	4995A20025K	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194K	CAPACITOR, DRAWING	R
268711	6871A20015F	DEICER PCB	R

Parts List

• MODEL: LT-B2461CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530A20007B	GRILLE, DISCHARGE	R
349499	4948AP2527A	ORIFICE	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266J	COVER ASSY, TOP(OUTDOOR)	R
437210	3721A20005G	PANEL ASSY, FRONT(OUTDOOR)	R
447910	2H02110A	BARRIER ASSY, OUTDOOR	R
546810	4680AP2135M	MOTOR ASSY, AC	R
550140	4A01334A	ISOLATOR, COMP	R
552203-1	2A00392F	VALVE, SERVICE	R
552203-2	2A00393A	VALVE, SERVICE	R
552560	3A02035G	MUFFLER	R
554031	5402AR2347K	CONDENSER ASSY, BENT	R
554160	2A00713D	COMPRESSOR	R
559010	1A00195B	FAN ASSY, PROPELLER	R
649950	4995A20025L	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194K	CAPACITOR, DRAWING	R

Parts List

• MODEL: LT-B2461HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530AP2289V	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
349499	4948AP2527A	ORIFICE	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266J	COVER ASSY, TOP(OUTDOOR)	R
437210	3721A20005G	PANEL ASSY, FRONT(OUTDOOR)	R
447910	2H02110A	BARRIER ASSY, OUTDOOR	R
546810	4680AP2135M	MOTOR ASSY, OUTDOOR	R
550140	4H01765A	ISOLATOR, COMP	R
552201	3A01020H	VALVE, CHECK	R
552202	3A02027A	VALVE, REVERSING	R
552203-1	2A00392E	VALVE, SERVICE	R
552203-2	2A00393Q	VALVE, SERVICE	R
552560	3A02035E	MUFFLER	R
554031	5402AR2347B	CONDENSER ASSY, BENT	R
554160	2A00713D	COMPRESSOR ASSY, FINAL	R
559010	1A00195B	FAN ASSY, PROPELLER	R
566000	3A02524A	SWITCH, PRESSURE	R
649950	4995A20025E	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	2A00986D	CAPACITOR, DRAWING	R
W0CZZ	2A00986A	CAPACITOR, DRAWING	R
268711	6871A20015A	DEICER PCB	R

Parts List

• MODEL: LT-B2821CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530AP2289V	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
349499	4948AP2527A	ORIFICE	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266J	COVER ASSY, TOP(OUTDOOR)	R
437210	3721A20005A	PANEL ASSY, FRONT(OUTDOOR)	R
447910	2H02110A	BARRIER ASSY, OUTDOOR	R
546810	4681A20008J	MOTOR ASSY, OUTDOOR	R
550140	4H01765A	ISOLATOR, COMP	R
552203-1	2A00392F	VALVE, SERVICE	R
552203-2	2A00393A	VALVE, SERVICE	R
552560	5257AR3648A	MUFFLER	R
554031	5402AR2347K	CONDENSER ASSY, BENT	R
554160	2A01032B	COMPRESSOR ASSY	R
559010	1A00195B	FAN ASSY, PROPELLER	R
649950	4995A20025G	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194K	CAPACITOR, DRAWING	R

Parts List

• MODEL: LT-B2861CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530A20007B	GRILLE, DISCHARGE	R
349499	4948AP2527A	ORIFICE	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266J	COVER ASSY, TOP(OUTDOOR)	R
437210	3721A20005G	PANEL ASSY, FRONT(OUTDOOR)	R
447910	2H02110A	BARRIER ASSY, OUTDOOR	R
546810	4680AP2135M	MOTOR ASSY, AC	R
550140	4A01334A	ISOLATOR, COMP	R
552203-1	2A00392F	VALVE, SERVICE	R
552203-2	2A00393A	VALVE, SERVICE	R
552560	3A02035G	MUFFLER	R
554031	5403AP2041C	CONDENSER ASSY, BENT	R
554160	2A01032A	COMPRESSOR	R
559010	1A00195B	FAN ASSY, PROPELLER	R
649950	4995A20025L	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194K	CAPACITOR, DRAWING	R

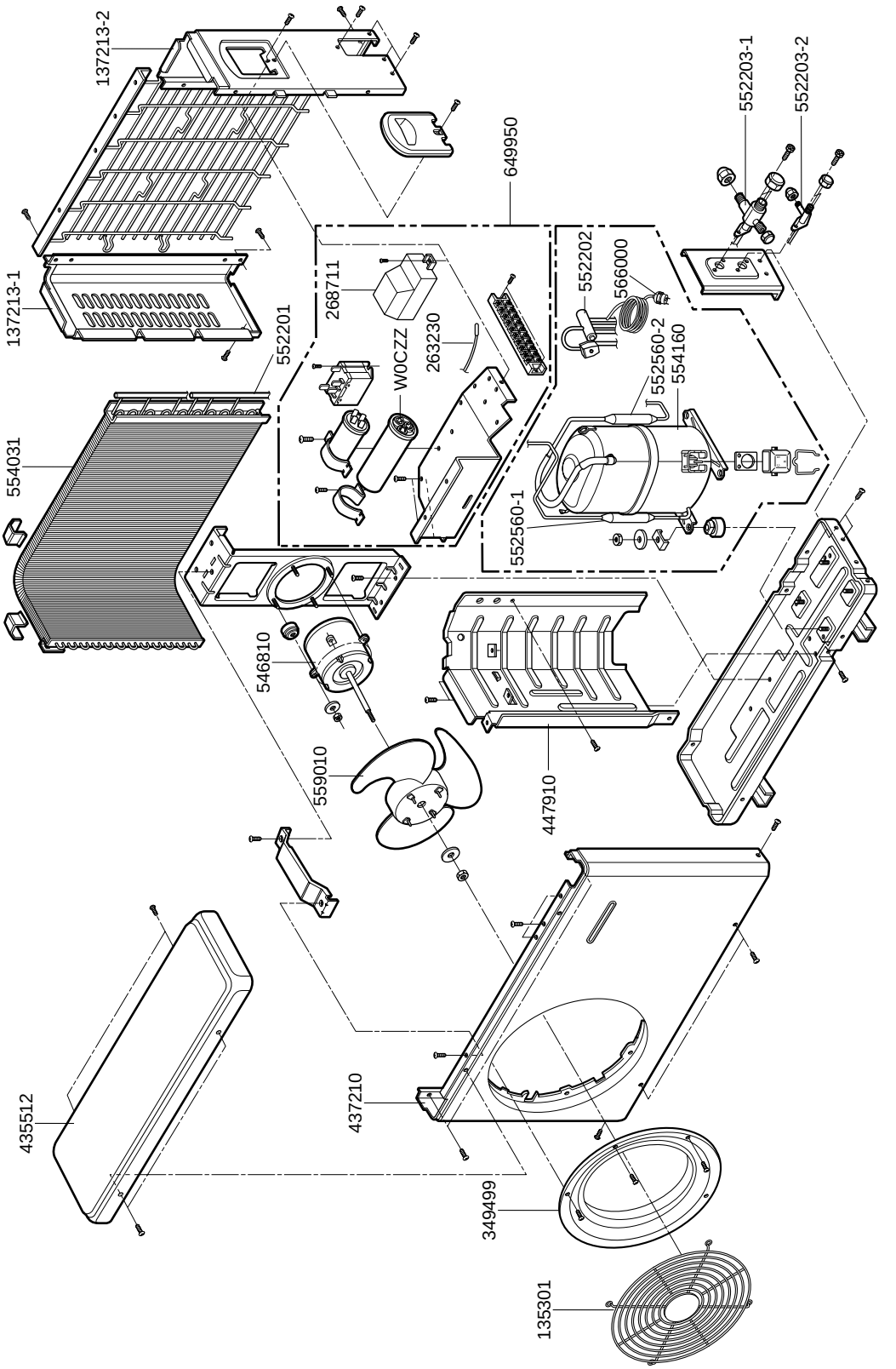
Parts List

• MODEL: LT-B3021CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530AP2289V	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
349499	4948AP2527A	ORIFICE	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266J	COVER ASSY, TOP(OUTDOOR)	R
437210	3721A20005A	PANEL ASSY, FRONT(OUTDOOR)	R
447910	2H02110A	BARRIER ASSY, OUTDOOR	R
546810	4681A20008J	MOTOR ASSY, OUTDOOR	R
550140	4H01765A	ISOLATOR, COMP	R
552203-1	2A00392F	VALVE, SERVICE	R
552203-2	2A00393A	VALVE, SERVICE	R
552560	5257AR3648A	MUFFLER	R
554031	5402AR2347K	CONDENSER ASSY, BENT	R
554160	2A01032B	COMPRESSOR ASSY	R
559010	1A00195B	FAN ASSY, PROPELLER	R
649950	4995A20025G	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194K	CAPACITOR, DRAWING	R

2-2. Outdoor Unit

• MODEL: LT-B2861HL/B2821HL/B3021HL



Parts List

• MODEL: LT-B2821HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530A20007B	GRILLE, DISCHARGE	R
137213-1	1A00202C	PANEL ASSY, SIDE	R
137213-2	3A02284L	PANEL ASSY, SIDE	R
263230	3Q35015G	THERMISTOR ASSY	R
349499	4948AP2527A	ORIFICE	R
350140	4A01489A	ISOLATOR, MOTOR	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266H	COVER ASSY, TOP(OUTDOOR)	R
437210	2A01041K	PANEL ASSY, FRONT SUB	R
447910	2A01043A	BARRIER ASSY, OUTDOOR	R
546810	2H02113R	MOTOR ASSY, AC	R
550140	4H01765A	ISOLATOR, COMP	R
552201	3A01020A	VALVE, CHECK	R
552202	3A02027B	VALVE, REVERSING	R
552203-1	2A00392E	VALVE, SERVICE	R
552203-2	2A00393Q	VALVE, SERVICE	R
552560-1	3A90082A	MUFFLER	R
552560-2	4A00232B	MUFFLER	R
554031	6140AP2096B	CONDENSER ASSY, BENT	R
554160	2A01032B	COMPRESSOR	R
559010	1A00195A	FAN ASSY, PROPELLER	R
566000	3A02524A	SWITCH, PRESSURE	R
649950	4995A20025F	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194L	CAPACITOR, DRAWING	R
268711	6871A20015F	DEICE PCB	R

Parts List

• MODEL: LT-B2861HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530A20007B	GRILLE, DISCHARGE	R
137213-1	1A00202C	PANEL ASSY, SIDE	R
137213-2	3A02284L	PANEL ASSY, SIDE	R
263230	3Q35015G	THERMISTOR ASSY	R
349499	4948AP2527A	ORIFICE	R
350140	4A01489A	ISOLATOR, MOTOR	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266H	COVER ASSY, TOP(OUTDOOR)	R
437210	2A01041K	PANEL ASSY, FRONT SUB	R
447910	2A01043A	BARRIER ASSY, OUTDOOR	R
546810	2H02113T	MOTOR ASSY, AC	R
550140	4H01765A	ISOLATOR, COMP	R
552201	3A01020A	VALVE, CHECK	R
552202	3A02027B	VALVE, REVERSING	R
552203-1	2A00392E	VALVE, SERVICE	R
552203-2	2A00393Q	VALVE, SERVICE	R
552560-1	3A02035A	MUFFLER	R
552560-2	4A00232B	MUFFLER	R
554031	6140AP2096B	CONDENSER ASSY, BENT	R
554160	2A01032A	COMPRESSOR	R
559010	1A00195A	FAN ASSY, PROPELLER	R
566000	3A02524A	SWITCH, PRESSURE	R
649950	4995A20025F	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194L	CAPACITOR, DRAWING	R
268711	6871A20015F	DEICER PCB	R

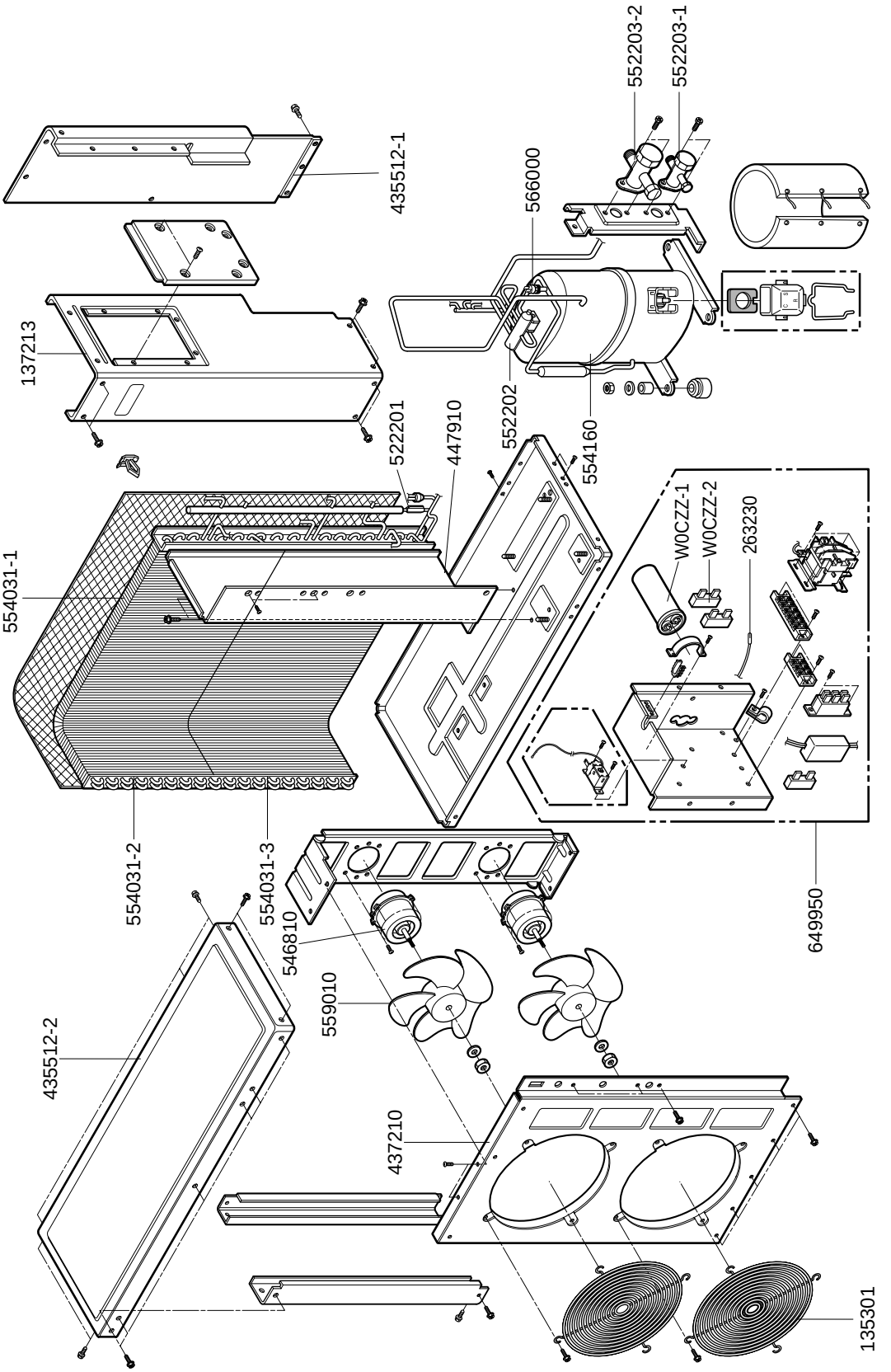
Parts List

• MODEL: LT-B3021HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	3530A20007B	GRILLE, DISCHARGE	R
137213-1	1A00202C	PANEL ASSY, SIDE	R
137213-2	3A02284L	PANEL ASSY, SIDE	R
263230	3Q35015G	THERMISTOR ASSY	R
349499	4948AP2527A	ORIFICE	R
350140	4A01489A	ISOLATOR, MOTOR	R
430410	3041A30003K	BASE ASSY, WELD(OUTDOOR)	R
435512	3H03266H	COVER ASSY, TOP(OUTDOOR)	R
437210	2A01041K	PANEL ASSY, FRONT SUB	R
447910	2A01043A	BARRIER ASSY, OUTDOOR	R
546810	2H02113R	MOTOR ASSY, AC	R
550140	4H01765A	ISOLATOR, COMP	R
552201	3A01020A	VALVE, CHECK	R
552202	3A02027B	VALVE, REVERSING	R
552203-1	2A00392E	VALVE, SERVICE	R
552203-2	2A00393Q	VALVE, SERVICE	R
552560-1	3A90082A	MUFFLER	R
552560-2	4A00232B	MUFFLER	R
554031	6140AP2096B	CONDENSER ASSY, BENT	R
554160	2A01032B	COMPRESSOR	R
559010	1A00195A	FAN ASSY, PROPELLER	R
566000	3A02524A	SWITCH, PRESSURE	R
649950	4995A20025F	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ	6120AR2194L	CAPACITOR, DRAWING	R
268711	6871A20015F	DEICE PCB	R

2-3 Outdoor Unit

• MODEL: LT-B3621CL/B3621HL/B3661CL/B3661HL/B3681CL/B3681HL



Parts List

LT-B3621CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	2A00144Y	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
137213	3A01055Z	PANEL, SIDE	R
349499	2A00251Z	ORIFICE	R
430410	3A01517W	BASE ASSY, WELD(OUTDOOR)	R
435512	2A00273A	COVER ASSY, TOP(OUTDOOR)	R
435512	3A01651A	COVER ASSY, TOP(OUTDOOR)	R
437210	3A00426X	PANEL ASSY, FRONT SUB	R
447910	4761A90001A	BARRIER ASSY, OUTDOOR	R
546810	2H00430J	MOTOR ASSY, AC	R
552203-1	2A00393A	VALVE, SERVICE	R
552203-2	2A00499A	VALVE, SERVICE	R
554031-1	5403A20007C	CONDENSER ASSY	R
554031-2	5403A20006C	CONDENSER ASSY, BENT	R
554031-3	5403A20006D	CONDENSER ASSY, BENT	R
554160	2A01196B	COMPRESSOR ASSY, FINAL	R
559010	1H00156B	FAN ASSY, PROPELLER	R
649950	4995A20003N	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ-1	2A00986S	CAPACITOR, DRAWING	R
W0CZZ-2	3A02157A	CAPACITOR	R

Parts List

LT-B3621HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	2A00144Y	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
137213	3A01055Z	PANEL, SIDE	R
263230	3Q35015H	THERMISTOR ASSY	R
349499	2A00251Z	ORIFICE	R
430410	3A01517W	BASE ASSY, WELD(OUTDOOR)	R
435512-1	2A00273A	COVER ASSY, TOP(OUTDOOR)	R
435512-2	3A01651A	COVER ASSY, TOP(OUTDOOR)	R
437210	3A00426X	PANEL ASSY, FRONT SUB	R
447910	4761A90001A	BARRIER ASSY, OUTDOOR	R
546810	2H00430J	MOTOR ASSY, AC	R
552201	3A01020H	VALVE, CHECK	R
552202	3A02027B	VALVE, REVERSING	R
552203-1	2A00393A	VALVE, SERVICE	R
552203-2	2A00499A	VALVE, SERVICE	R
554031-1	5403A20007D	CONDENSER ASSY	R
554031-2	5403A20006A	CONDENSER ASSY, BENT	R
554031-3	5403A20006E	CONDENSER ASSY, BENT	R
554160	2A01196B	COMPRESSOR ASSY, FINAL	R
559010	1H00156B	FAN ASSY, PROPELLER	R
566000	3A01100A	SWITCH, PRESSURE	R
649950	4995A20003M	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ-1	2A00986S	CAPACITOR, DRAWING	R
W0CZZ-2	3A02157A	CAPACITOR	R
268711	6871A20015N	DEICER PCB	

Parts List

LT-B3661CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	2A00144Y	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
137213	3A01055Z	PANEL, SIDE	R
349499	2A00251Z	ORIFICE	R
430410	3A01517W	BASE ASSY, WELD(OUTDOOR)	R
435512-1	2A00273A	COVER ASSY, TOP(OUTDOOR)	R
435512-2	3A01651A	COVER ASSY, TOP(OUTDOOR)	R
437210	3A00426X	PANEL ASSY, FRONT SUB	R
447910	4761A90001A	BARRIER ASSY, OUTDOOR	R
546810	2H00430X	MOTOR ASSY, AC	R
552203-1	2A00393A	VALVE, SERVICE	R
552203-2	2A00499A	VALVE, SERVICE	R
554031-1	5403A20007E	CONDENSER ASSY, BENT	R
554031-2	5403A20006A	CONDENSER ASSY	R
554031-3	5403A20006F	CONDENSER ASSY	R
554160	2A01196C	COMPRESSOR ASSY, FINAL	R
559010	1H00156B	FAN ASSY, PROPELLER	R
649950	4995A20003L	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ-1	2A00986X	CAPACITOR, DRAWING	R
W0CZZ-2	3A02157A	CAPACITOR	R

Parts List

LT-B3661HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	2A00144Y	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
137213	3A01055Z	PANEL, SIDE	R
263230	3Q35015H	THERMISTOR ASSY	R
349499	2A00251Z	ORIFICE	R
430410	3A01517W	BASE ASSY, WELD(OUTDOOR)	R
435512-1	2A00273A	COVER ASSY, TOP(OUTDOOR)	R
435512-2	3A01651A	COVER ASSY, TOP(OUTDOOR)	R
437210	3A00426X	PANEL ASSY, FRONT SUB	R
447910	4761A90001A	BARRIER ASSY, OUTDOOR	R
546810	2H00430X	MOTOR ASSY, AC	R
552201	3A01020H	VALVE, CHECK	R
552202	3A02027B	VALVE, REVERSING	R
552203-1	2A00393A	VALVE, SERVICE	R
552203-2	2A00499A	VALVE, SERVICE	R
554031-1	5403A20007E	CONDENSER ASSY, BENT	R
554031-2	5403A20006A	CONDENSER ASSY	R
554031-3	5403A20006F	CONDENSER ASSY	R
554160	2A01196C	COMPRESSOR ASSY, FINAL	R
559010	1H00156B	FAN ASSY, PROPELLER	R
566000	3A02524A	SWITCH, PRESSURE	R
649950	4995A20003L	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ-1	2A00986X	CAPACITOR, DRAWING	R
W0CZZ-2	3A02157A	CAPACITOR	R
268711	6871A20015N	DEICER PCB	R

Parts List

LT-B3681CL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	2A00144Y	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
137213	3A01055Z	PANEL, SIDE	R
349499	2A00251Z	ORIFICE	R
430410	3A01517W	BASE ASSY, WELD(OUTDOOR)	R
435512-1	2A00273A	COVER ASSY, TOP(OUTDOOR)	R
435512-2	3A01651A	COVER ASSY, TOP(OUTDOOR)	R
437210	3A00426X	PANEL ASSY, FRONT SUB	R
447910	4761A90001A	BARRIER ASSY, OUTDOOR	R
546810	2H00430X	MOTOR ASSY, AC	R
552203-1	2A00393A	VALVE, SERVICE	R
552203-2	2A00499A	VALVE, SERVICE	R
554031-1	5403A20007C	CONDENSER ASSY	R
554031-2	5403A20006C	CONDENSER ASSY, BENT	R
554031-3	5403A20006D	CONDENSER ASSY, BENT	R
554160	5417A90001B	COMPRESSOR ASSY, FINAL	R
559010	1H00156B	FAN ASSY, PROPELLER	R
649950	4995A20003J	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ-1	2A00986X	CAPACITOR, DRAWING	R
W0CZZ-2	3A02157A	CAPACITOR	R

Parts List

LT-B3681HL

LOCATION NO.	PART NO.	DESCRIPTION	REMARKS
135301	2A00144Y	GRILLE ASSY, DISCHARGE(OUTDOOR)	R
137213	3A01055Z	PANEL, SIDE	R
263230	3Q35015H	THERMISTOR ASSY	R
349499	2A00251Z	ORIFICE	R
430410	3A01517W	BASE ASSY, WELD(OUTDOOR)	R
435512-1	2A00273A	COVER ASSY, TOP(OUTDOOR)	R
435512-2	3A01651A	COVER ASSY, TOP(OUTDOOR)	R
437210	3A00426X	PANEL ASSY, FRONT SUB	R
447910	4761A90001A	BARRIER ASSY, OUTDOOR	R
546810	2H00430X	MOTOR ASSY, AC	R
552201	3A01020H	VALVE, CHECK	R
552202	3A02027B	VALVE, REVERSING	R
552203-1	2A00393A	VALVE, SERVICE	R
552203-2	2A00499A	VALVE, SERVICE	R
554031-1	5403A20007D	CONDENSER ASSY	R
554031-2	5403A20006A	CONDENSER ASSY, BENT	R
554031-3	5403A20006E	CONDENSER ASSY, BENT	R
554160	5417A90001B	COMPRESSOR ASSY, FINAL	R
559010	1H00156B	FAN ASSY, PROPELLER	R
566000	6600AG3057A	SWITCH, PRESSURE	R
649950	4995A20003H	CONTROL BOX ASSY, OUTDOOR	R
W0CZZ-1	2A00986X	CAPACITOR, DRAWING	R
W0CZZ-2	3A02157A	CAPACITOR	R
268711	6871A20015N	DEICER PCB	

LG Electronics Inc.

December, 2000
Printed in Korea

P/No.: 3828A20023K